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Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup
Northeast Regional Office
205B Lowell Street
Wilmington, Massachusetts 01887

Re: Release Abatement Measure (RAM) Status Report No. 3
Construction-Related Remediation Activities
Former Everett Staging Yard
1 Horizon Way, Everett, Massachusetts
Release Tracking Number (RTN) 3-13341

To Whom It May Concern:

GZA has prepared this Release Abatement Measure (RAM) Status Report on behalf of Wynn MA, LLC (Wynn MA) to document construction-related RAM activities completed between February 1 and August 1, 2017, at the Former Everett Staging Yard Disposal Site (the "Site") and neighboring properties, which are collectively referred to as the RAM Project Area. The RAM Plan for these activities was prepared by GZA on behalf of Wynn MA and filed with the Massachusetts Department of Environmental Protection (MassDEP) on May 3, 2016. The RAM Plan has been modified twice, on November 16, 2016, and February 2, 2017. A third RAM Plan Modification, planned for fall 2017, which will address the placement of clean cover materials and marker layers to achieve a condition of "No Significant Risk" at the Site under the Massachusetts Contingency Plan (MCP; 310 CMR 40.0000).

A Site Locus Map is presented as Figure 1; the RAM Project Area is shown on Figure 2; and a Site Plan is included as Figure 3. Note the RAM Project Area has been modified to show the actual limits and/or anticipated limits of RAM activities for the Site.

This is the third RAM Status Report for construction-related activities at the Site. This RAM Status Report was prepared following guidance contained in Section 40.0445 of the MCP. The original RAM transmittal form (BWSC-106) was electronically signed and submitted online to MassDEP using eDEP concurrent with this submittal. A copy of BWSC-106 is also included as Appendix A. This Report is subject to the Limitations in Appendix B.

The Site has been designated as a Public Involvement Plan (PIP) site per Section 40.1404 of the MCP. A Notice of Availability of this RAM Status Report has been emailed to local officials and residents on the PIP mailing list. A copy of this RAM Status Report has also been made available at the designated information repositories, on the Wynn Boston Harbor website (www.wynnbostonharbor.com), and on eDEP.

EXECUTIVE SUMMARY

As summarized in prior MCP submittals, soil, groundwater, and sediment at the Site have been contaminated by historical industrial site uses. The May 3, 2016 RAM Plan and the November 16, 2016, and February 2, 2017, RAM Plan modifications (collectively, the Modified RAM Plan) outline MCP Response Actions that will be completed during construction, including the excavation and off-Site disposal of contaminated soils, the dredging of contaminated sediment, the sampling for asbestos in soil, perimeter dust monitoring, work-zone monitoring, the placement of clean fill materials at locations within the RAM Project Area, and off-Site disposal.

The majority of activities completed during this performance period were associated with the disposal characterization of excavated soils and sediment, additional pre-characterization of soils, sampling for asbestos in soil and sediment, perimeter and work-zone air monitoring, groundwater withdrawal and treatment, coordination with various disposal facilities for the management of Remediation Waste as defined in Section 40.0030 of the MCP, and the off-Site disposal of soils at appropriately permitted disposal facilities. RAM activities performed at the Site followed a Site-specific Health and Safety Plan (HASP) as outlined in the Modified RAM Plan.

RAM activities performed during this reporting period included:

- Excavation of approximately 50 test pits for additional disposal pre-characterization sampling, delineation sampling, and asbestos in soil sampling;

- Submittal of a second RAM Plan modification to MassDEP on February 2, 2017, which revised the provisions for Site-perimeter and Site-interior air sampling;

- Communications with Mr. John Macauley of MassDEP regarding various Site activities related to the Non-Traditional (NT) Plan (e.g., decommissioning of wheel washes and access roads in the rail load out area, discontinuance of air monitoring at select locations, increases in soil volume of asbestos-impacted soil removed from the Site, etc.);

- Collection and laboratory analyses of over 300 soil and sediment samples for asbestos in soil by Massachusetts-certified laboratories using Polarized Light Microscopy (PLM);

- Treatment of groundwater pumped from excavations, prior to discharge;

- Submittal of a Notice of Intent (NOI) and Remediation General Permit (RGP), following the newly promulgated 2017 RGP requirements, to the Environmental Protection Agency (EPA) and MassDEP on July 6, 2017. The 2017 RGP replaces the RGP that expired on September 9, 2015. EPA approved the NOI/RGP submittal on August 3, 2017, and assigned Authorization # MAG910727. Prior dewatering was performed following requirements contained in the 2015 RGP regulations;

- Collection and analyses of influent and effluent (treated) groundwater samples following the requirements of the RGP;

- Excavation and off-Site disposal of soils from the southeastern portion of the Site that visually contained elemental sulfur, the apparent source of an observed discolored groundwater seep in April 2017. Response actions associated with the discolored seep were discussed with, and approved by, MassDEP and were performed as part of this RAM;

- Continuous perimeter air monitoring via AirLogics stations;

- Earthwork activities associated with the construction/installation of utilities, foundations, mat slab for the garage foundation, subsurface structures (e.g., detention basins, fuel tank installations), three drainage outfalls (outfalls 1 and 2 were included within the excavation area for the eastern load transfer platform, while outfall 3 was a standalone installation on the eastern side of the peninsula), rock anchors, mini-piles, and expanded polystyrene (EPS) foam blocks;

- Earthwork activities along the southern and southeastern shorelines associated with construction of a living shoreline, a rip-rap embankment, and a sheet pile bulkhead and load transfer platform;

- Decommissioning of construction dewatering wells by HUB Foundation Co. of Chelmsford, Massachusetts, by means of pressure grouting the wells in-place;
- Off-Site disposal of approximately 195,000 tons of soils at appropriately permitted In-State and Out-of-State disposal facilities following Bill-of-Lading (BOL), Material Shipping Record (MSR), or Hazardous Waste Manifest procedures;
- Providing MassDEP copies of laboratory reports for asbestos-in-soil testing;
- Maintenance of site erosion controls; and
- Removal of miscellaneous materials (concrete obstructions, wood debris, steel, etc.) for off-Site recycling/disposal at appropriately permitted facilities.

INTRODUCTION

The Site is the location of a resort being developed by Wynn MA and is comprised of the former Everett Staging Yard and several neighboring properties. These areas are summarized below.

The Former Everett Staging Yard Site is located on the northern bank of the Mystic River in Everett, MA (Figure 2). The upland portion of the Site comprises approximately 21.75 acres of land, and the water-side portion comprises approximately 8.44 acres seaward of mean high water (MHW), including part of the Mystic River channel and an embayment in the southeast corner of the Site. Different portions of the Project RAM Area are referred to as follows:

- Former Everett Staging Yard Disposal Site: the MCP disposal site identified by MassDEP RTN 3-13341;
- Upland Property: the upland portion of the former Everett Staging Yard;
- Water-Side Site: the water-side portion of the Former Everett Staging Yard, where contaminants released from the Upland Property have come to be located in sediment in the Mystic River; and
- Channel: A historically dredged navigational channel within the embayment (bottom contours generally on the order of -16 to -18 feet NAVD88).

The following project activities are included in the Modified RAM Plan:

- Earthwork, construction dewatering, foundation construction, and utility installation for a building with below ground parking, with a footprint of approximately 500,000 square feet;
- Earthmoving and grading for landscape and open space amenities, including a proposed Harborwalk along the waterfront; and
- Earthwork and dredging to construct significant improvements along the currently structurally and ecologically degraded shoreline, including:
    - Construction of a replacement bulkhead comprised of concrete pile-supported deck above a stone slope revetment, along a section of the northwestern embayment shoreline;
    - Construction of a replacement steel sheet-pile bulkhead along the northern and eastern embayment shoreline, in lieu of the existing deteriorated timber and stone bulkheads;

- Waterfront access to the Site via new floating docking facilities to be constructed in the embayment; and
- Creation of a "living shoreline" of restored salt marsh and vegetated coastal bank along the waterfront.

Wynn MA also controls or has negotiated easements on contiguous parcels that will be developed to provide vehicular access to the resort; these properties are referred to as the "neighboring properties" in this RAM. As shown on Figure 2, these lots include Parcels 1, 2, and 3 formerly owned by the Massachusetts Bay Transportation Authority (MBTA; 80 Broadway) and additional portions of this property still owned by the MBTA; properties at 20 and 38-50 Broadway; a portion of the property at 3 Charlton Street that is traversed by the constructed Service Road; the property at 128 Broadway; and the property at 150 Alford Street. The following project activities on these parcels are included in this RAM Status Report:

- Construction of the primary Access Driveway to the resort across Parcel 1 and the properties at 20 and 38-50 Broadway and 150 Alford Street; and
- Construction of a Service Road (completed) and associated utilities across Parcels 2 and 3 and a portion of the property at 3 Charlton Street, additional portions of the 80 Broadway property, 128 Broadway, and portions of Charlton Street and Broadway.

DESCRIPTION OF RELEASE, SITE CONDITIONS AND SURROUNDING RECEPTORS

The following sections provide a brief description of the RAM Project Area, regulatory history, and release conditions being addressed by the RAM.

FORMER EVERETT STAGING YARD – UPLAND PROPERTY

The Site is located at 1 Horizon Way in Everett, Massachusetts (Figure 1) and lies within the disposal site boundary for RTN 3-13341. The Upland Property is an irregularly shaped parcel of land roughly bounded by Alford Street to the east, MBTA railroad tracks to the west, an MBTA bus repair and maintenance facility to the north, and the Mystic River to the south. The Site includes a peninsula of land that extends southerly into the Mystic River, and most of the small embayment located eastward of the peninsula (Figure 2).

The ground surface at the Site is generally flat with a slight slope toward the southwest, with ground surface elevations ranging from approximately 8 to 13 feet NAVD88. Subsurface conditions generally consist of fill over a variable sequence of naturally deposited organics, sand and gravel, and silty clay over weathered rock and bedrock. Filling over naturally deposited materials occurred in the area of the Site from the late 1800s through the early 1960s. More recent naturally deposited sediments along the shoreline include sand, silt, and organics. Depth to groundwater ranges from approximately 4 to 10 feet.

Access to the Upland Property is limited by the presence of a chain-link fence with two gates: one gate is in the eastern portion of the Site, along Horizon Way. Security personnel control access to the Site at each of the gates.

The Site is abutted to the northeast by a bus maintenance and repair facility operated by the MBTA; to the southeast by properties along Alford Street, including facilities operated by the Boston Water and Sewer Commission (BWSC) and the Massachusetts Water Resources Authority (MWRA); to the southwest by the Mystic River; and to the northwest by railroad tracks for the MBTA Commuter Rail, beyond which are several large retail buildings associated with the Gateway Center.

According to a Massachusetts Geographic Information System (MassGIS) map, the Site is not located in or within 500 feet of a Zone II public water supply, potentially productive aquifer, a Zone A surface water body, an Interim Wellhead

Protection Area, a protected wetlands habitat, or an Area of Critical Environmental Concern. Protected open space associated with Gateway Park is located approximately 400 feet to the northwest of the Site.

Investigations conducted between 1995 and the present have identified several contaminants in soil, groundwater, and sediments at the Site, including metals, volatile organic compounds (VOCs), volatile petroleum hydrocarbon (VPH) fractions and target analytes, semi-volatile organic compounds (SVOCs), extractable petroleum hydrocarbon (EPH) fractions and target analytes, and polychlorinated biphenyls (PCBs). The sources of contamination at the Site include past industrial operations and the placement of contaminated fill. According to historic reports, the Site was occupied by the Cochran Chemical Company, the Merrimac Chemical Company, and the Monsanto Chemical Company from the late 1800s until the late 1960s. The buildings on the land-side portion of the Site were razed in the 1970s. The land-side portion of the Site has been used primarily as a material storage and staging yard since the mid-1990s, when rock and fine-grained sediment ("tunnel muck") from the construction of the Deer Island Outfall was stockpiled on it in a 1- to 7-foot-thick layer. Other than temporary office trailers, there are currently no completed buildings at the Site.

The Site (also referred to as 22 Chemical Lane in MassDEP's Sites Database) was briefly used as a staging area for concrete-encased utilities excavated from a property in Boston in November 1999. RTN 3-18971 was issued by MassDEP in November 1999 after it was discovered that the concrete-encased materials brought to the Site from Boston included Transite, an asbestos-containing material (ACM). Asbestos abatement was performed in December 1999 in accordance with a work plan approved by MassDEP, and included the removal and off-property disposal of approximately 20 cubic yards of material. A Class A-1 RAO (Permanent Solution with no restrictions) was filed in January 2000 for this RTN.

Wynn MA acquired the former Everett Staging Yard on January 2, 2015. On February 5, 2015, Wynn MA filed an Eligible Person Submittal and a Revised Tier II Classification with MassDEP for RTN 3-13341. The Eligible Person Submittal outlined plans to address three impacted areas of the Site as part of a separate Pre-Construction RAM, and plans to remove additional contaminated fill materials in concert with Site redevelopment, which is being performed as part of this Modified RAM Plan. The Pre-Construction RAM Completion Report and Immediate Response Action Completion Report (filed under RTNs 3-13341 and 3-33284), which summarized remediation activities for the three areas was filed with MassDEP on August 4, 2016.

WATER-SIDE SITE

Historic releases of oil and hazardous material (OHM) at the Site have also resulted in impacts to sediments in the Mystic River and embayment (i.e., the Water-Side Site). A Stage II Ecological Risk Characterization prepared by Menzie-Cura in 2006 concluded that the OHM in sediment presented a significant risk of harm to the benthic (bottom dwelling) community. The nature and extent of OHM at the Water-Side Site were further delineated by more recent Supplemental Phase II assessment activities conducted by GZA and by AMEC, the results of which were presented in a Supplemental Phase II Comprehensive Site Assessment (CSA) Report and a Revised Supplemental Phase II CSA Report, submitted to MassDEP in December 2015 and December 2016, respectively.

Based on contaminant concentration distribution within the Water-Side Site sediments, and on statistical comparisons between Water-Side Site data and Local Conditions samples, the Phase II reports identified several Contaminants of Potential Ecological Concern in sediment associated with the Water-Side Site. The approach for addressing this contamination was presented in a Phase III Evaluation of Remedial Alternatives and Phase IV Remedy Implementation Plan Report, prepared by AMEC and filed with MassDEP on June 21, 2017.

NEIGHBORING PROPERTIES

20 AND 38-50 BROADWAY

These parcels are contiguous, extending from southwest (#20) to northeast (#38-50) along the northwest side of Broadway. The 20 Broadway Street property ("Lot D") is now part of the construction site. The property at 38-50 Broadway Street is occupied by a vacant lot (location of former Mobil gas station), and a Dunkin' Donuts shop. The RAM Plan refers to this property as 38-50 Broadway based on the deed for the parcels. However, this location is referred to in some records as 30 Broadway.

The property at 38-50 Broadway was operated as a gas station since the mid-1900s; the most recent occupant, a Mobil station, was built in the late 1990s. In June 2017, GZA monitored the removal of three underground storage tanks (USTs) at the property including one 14,000-gallon gasoline UST, one 10,000-gallon gasoline UST, and one 6,000-gallon diesel UST. During the removals, all three USTs were observed to be in good condition with no signs of pitting or leakage and were double-walled fiberglass tanks. Laboratory testing results for volatile petroleum hydrocarbons (VPH) and extractable petroleum hydrocarbons (EPH) analyses for excavation sidewall samples were below MCP Reportable Concentrations for Soil Category S-2. A UST Removal Report documenting removal activities is included in Appendix C. The approximate locations of the former USTs are shown on Figures 2 and 3. Following removal of the USTs, the former Mobil station building was demolished and removed from this parcel in late June/early July 2017; this parcel is now vacant.

The MBTA bus maintenance facility is to the northwest of the property; Horizon Way, across which is Lot 2, is to the southwest of 20 Broadway; and various commercial and industrial properties are to the southeast across Broadway and Bow Street. The property to the northeast of 38-50 Broadway is occupied by the Honda Cars of Boston dealership; the portion of that property immediately abutting the 38-50 Broadway property is a fenced, unpaved area used to store vehicles available for sale by the dealership.

No releases have been reported for the 20 Broadway property. It is not a disposal site as defined by the MCP. However, given the known historic filling and urban, industrialized history of the area, soil and groundwater generated during construction activities at this location will be managed as part of the Modified RAM Plan.

MassDEP's Sites database indicates that two releases have been reported for the address of 30 Broadway, aka Parcel F, under RTNs 3-2526 and RTN 3-14553, and that Response Action Outcome (RAO; now referred to as a Permanent Solution Statement) statements without any associated deed restrictions have been filed for both RTNs.

In December 1998, MassDEP issued RTN 3-17760 for 38-50 Broadway (referenced as 38-48 Broadway on MassDEP's online database) for a release associated with a former underground storage tank at the property. The tank was removed, and subsequent response actions included the excavation and off-site disposal of approximately 585 tons of petroleum-contaminated soils. As part of a Class A-3 RAO, an AUL was filed in 2001, amended in 2009, and covers the entire property. Restricted uses for 38-40 Broadway include residential use of the property; use of the property for growing fruits or vegetables intended for consumption; use of the property for a school or day care facility; and any other activity that would result in uncontrolled exposures to soils at the property, unless evaluated and approved by a LSP. The extent of the AUL area is shown on Figure 2.

A second RTN (3-18291) was generated for 38-50 Broadway (referenced as 38 Broadway on MassDEP's online database) during redevelopment activities in late 1998 when the characterization of soils for off-site disposal indicated that concentrations of certain polycyclic aromatic hydrocarbons (PAHs) and lead in stockpiled soils were above MCP Reportable Concentrations. The stockpiled soil was disposed of off-site under the RAM provisions of the MCP. The RTN is currently classified as DEPNFA (No Further Action) by MassDEP.

A third RTN (3-27571) was generated on March 15, 2008 for 38-50 Broadway after gasoline was released to the ground surface as a result of a customer overfilling a vehicle gasoline tank. The release was reported to MassDEP, and was remediated using absorbent materials. A Release Notification Retraction was submitted to MassDEP on March 27, 2008.

PARCELS 1, 2 AND 3 (FORMERLY PART OF THE MBTA REPAIR FACILITY AT 80 BROADWAY) AND ADDITIONAL PORTIONS OF 80 BROADWAY

Parcel 1 is a paved lot located in the southeastern portion of the MBTA property and includes a small shed-like building on the southern portion of the property. Metal storage containers in the vicinity of the shed were used to store bus parts. The parcel is abutted by additional paved portions of the MBTA bus maintenance facility to the north and west, by Horizon Way to the southwest, and by the 20 and 38-50 Broadway properties to the northeast.

Parcel 2 consists of a strip of paved land located along the northeastern border of the MBTA property, extending approximately to the 3 Charlton Street property; various commercial properties along Broadway adjoin this parcel to the east.

Parcel 3 consists of a strip of paved land located along the western border of the MBTA property; railroad tracks adjoin this property to the west. An electrical tower is located in the south-central portion of the parcel.

The additional portions of 80 Broadway included in the Modified RAM Plan consist of paved areas contiguous with Parcels 1, 2 and 3.

Several RTNs have been identified for 80 Broadway Street, the address of the MBTA's bus maintenance facility; some cover the property as a whole and some apply only to smaller areas within the property. The following RTNs pertain to portions of the 80 Broadway property within the RAM Project Area.

On November 6, 2003, MassDEP issued RTN 3-23351 following notification of the presence of elevated concentrations of arsenic (35 mg/kg) and PAHs in soil. The source of the elevated PAHs and arsenic was attributed to the presence of coal ash associated with urban fill. OHM concentrations in groundwater were reported to be below reportable concentrations. A Class B-1 RAO (i.e., no restrictions on future activities or uses) was filed for RTN 3-23351 in 2005.

A Utility Related Abatement Measure (URAM) was performed in 2005 for NSTAR Electric & Gas. According to the report, NSTAR constructed a subsurface 115kV electric power transmission line connecting to the above-ground transmission line located on the MBTA property. The line extends from the Mystic Station electric power generating facility along Alford Street and Broadway to Chemical Lane to the MBTA property. Because the MBTA property was a listed MCP site, NSTAR notified MassDEP of the proposed work and MassDEP issued RTN 3-24832 for the subsurface utility work. Approximately 400 tons of soil was generated during the construction work; most of this was re-used as backfill, but approximately 69 cubic yards of soil was transported off-site for use as daily cover material at a Massachusetts landfill. Water generated during construction dewatering was recharged on-site within 100 feet of the excavation.

3 CHARLTON STREET

The property was formerly occupied by a multi-tenant commercial structure consisting of several interconnected buildings that were formerly used for industrial purposes. The 3 Charlton Street property is adjoined by railroad tracks, across which are the Gateway Center and vacant land, to the northwest and north; by Brickyard Lane, across which are a multi-story parking garage and newly constructed condominium buildings, to the northeast and east; and by the MBTA bus repair property to the south. Construction activities associated with the Modified RAM Plan will be implemented at only a portion of this property where the proposed Service Road traverses a portion of the 3 Charlton Street property.

Five RTNs have been issued for 3 Charlton Street (aka 9 Charlton Street).

RTN 3-1850 was issued to the former New England Bolt site on October 28, 1987 due to the presence of elevated concentrations of arsenic and beryllium in site soil. A Class A-3 Response Action Outcome Statement, was submitted to MassDEP on June 9, 2005. An AUL covering the northern portion of the property, filed as part of the RAO for RTN 3-1850, allows all commercial or industrial uses of the property. The AUL prohibits re-location of petroleum-impacted soil to another location on the property without the development and implementation of a Soil Management Plan; prohibits the use of the property as a residence, school, nursery, daycare or recreational facility without an LSP Evaluation Opinion stating that such use is consistent with maintaining a condition of NSR; and prohibits the construction of a new building without the use of a vapor barrier and a passive sub-slab venting system to prevent the migration of VOCs into the building.

RTN 3-19103 was issued on December 21, 1999 due to the detection of the volatile organic compound 1,1-dichloroethylene in the groundwater at a concentration of 17 ug/L. This RTN was closed by linking it to RTN 3-1850 on December 18, 2000.

RTN 3-24168 was issued on August 20, 2004, due to the detection of reportable concentrations of VOCs, petroleum fractions, and benzo(a)anthracene, a PAH compound, in the soil. The RTN was closed by linking it to RTN 3-1850 on October 13, 2004.

RTN 3-24699 was issued on March 14, 2005, due to the detection of reportable concentrations of petroleum hydrocarbons in soil and groundwater. A Downgradient Property Status (DPS) Opinion relative to this release was submitted to MassDEP on June 9, 2005. The DPS attributed alkane solvents detected in the groundwater to a release at the adjoining former Hub Fabric Facility. The DPS area overlaps portions of the areas of petroleum releases identified on the 3 Charlton Street property.

This property was recently redeveloped with a new low-rise office building utilized as a construction field office. This redevelopment was conducted as a post-RAO RAM under a separate RTN (3-1850).

RTN 3-33680 was issued on July 11, 2016, due to the detection of trichloroethylene (TCE) in soil at levels above its reportable concentration during the execution of preliminary characterization borings within a portion of the Service Road on the Site. The area of the TCE detection is bounded by 3 Charlton Street to the north, Massachusetts Bay Transit Authority (MBTA) railway area to the west, the MBTA service facility to the east, and the service road to the South. A Utility-Related Abatement Measure (URAM) Plan was filed with MassDEP on July 19, 2016, which outlined procedures to manage soil and groundwater during the installation of a water line. URAM activities are currently ongoing. A URAM Completion report is anticipated to be filed with MassDEP in the Fall 2017.

128 BROADWAY

This property is situated on the northwest side of Broadway and was formerly occupied by a McDonald's Restaurant. The MBTA bus maintenance facility adjoins the property to the northwest; a Honda automobile dealership at 100 Broadway adjoins the property to the southwest; a Public Storage facility at 140 Broadway adjoins the property to the northeast; and mixed commercial and residential properties are located across Broadway to the southeast.

No releases have been reported for the 128 Broadway property, and it is not a disposal site as defined by the MCP. Given the known historic filling and the urban, industrialized history of the area, soil and groundwater generated during construction activities at this location will be managed as part of this RAM.

150 ALFORD STREET

This property is situated on the corner of Horizon Way (formerly known as Chemical Lane) and Alford Street in Boston/Charlestown. The MBTA bus maintenance facility and the property at 20 Broadway are across Horizon Way to the northeast of 150 Alford Street; paved land and a vacant building are to the northwest; a building occupied by the Boston Water and Sewer Commission is to the southwest; and industrial and commercial property is across Alford Street to the southeast. Alford Street becomes Broadway at the Everett/Boston city line.

No releases have been reported for the 150 Alford Street property, and it is not a disposal site as defined by the MCP. Given the known historic filling and the urban, industrialized history of the area, soil and groundwater generated during construction activities at this location will be managed as part of this RAM. This location is being used as a temporary parking lot and material staging area.

RELEASE ABATEMENT MEASURE STATUS REPORT

The following sections of this document are intended to address the specific requirements for RAM Status Reports as outlined in the MCP at 310 CMR 40.0445 (2) (a) through (e).

(a) The Status of Response Actions

The first RAM Status Report, dated August 31, 2016, documented construction-related RAM activities completed through August 5, 2016. The second RAM Status Report documented construction-related RAM activities completed through January 31, 2017. This third RAM Status Report documents construction-related RAM activities performed between February 1 and July 31, 2017.

Consistent with the prior RAM Status report, mobilization of equipment and materials is ongoing to support various phases of construction.

The AirLogics perimeter air monitoring system has been monitored daily for PM10 particulates. Additional details concerning AirLogics are presented below.

Erosion and sedimentation controls, including staked straw bales and silt fencing, have been maintained along the top of Coastal Bank in accordance with the Wetlands Protection Act (WPA) Order of Conditions. Best Management Practices (BMPs) are also employed in other constructed areas where water is generated.

Materials Management Areas (MMAs) for the temporary storage of excavated soils have been maintained on the southern peninsula and the eastern portion of the Site. These areas are shown on Figure 3.

Obstructions (concrete and timbers) have been encountered and removed from areas within the construction footprint of the proposed building, along utility corridors, in the Service Road area, and in areas where subsurface structures are being constructed (e.g., vent tunnel). The off-Site disposal of the concrete and timbers is documented in Section (c) below.

As discussed in Section (b) below, approximately 50 test pits were advanced during this reporting period for soil disposal characterization and to collect soil samples for asbestos analyses, and over 300 soil and sediment samples were collected for laboratory analysis of asbestos using PLM methodology. Asbestos in soil testing results were all non-detect (ND).

Work zone monitoring was performed following the NT Plan protocols during asbestos sampling, soil excavation and loading, on an as-needed basis. Misting of work areas of known or suspect asbestos was performed during these activities.

Wheel-wash stations were constructed for vehicles and equipment used in areas of suspect or documented asbestos in soil. As discussed in Section (b) below, certain wheel wash stations associated with asbestos-in-soil (AIS) management activities were decommissioned as they were no longer necessary.

As discussed in Section (b) below, approximately 195,000 tons of soil, sediment, and iron sludge were transported off-Site for disposal at appropriately permitted facilities during the reporting period. Soils were transported following Bill-of-Lading, Material Shipping Record (MSR), and Hazardous Waste Manifest tracking procedures.

Of the 195,000 tons of soil disposed off-Site, approximately 3,865 tons of these soils contained asbestos and required Toxicity Characteristic Leaching Procedure (TCLP) treatment (stabilization) to eliminate toxicity characteristics of certain metals, while approximately 3,710 tons of soils contained asbestos and did not require treatment. These soils were transported for off-Site disposal at Turnkey Landfill in Rochester, New Hampshire and Taylor County Landfill in Mauk, Georgia, following Bill-of-Lading and Asbestos Containing Waste Material (ACWM) Shipping Record tracking procedures.

Of the 195,000 tons of soil disposed off-Site, approximately 2,650 tons had PCB concentrations greater than 50 mg/kg; these soils were transported by railcar for disposal at US Ecology in Belleville, Michigan, a Toxic Substance Control Act (TSCA) permitted facility, following Hazardous Waste Manifest tracking procedures. While the PCB-impacted soils required disposal at a TSCA-permitted facility, these soils were not considered PCB remediation waste based on the Site history, which includes aerial photographs showing all buildings on the Site were razed prior to 1976, so that any releases of PCBs to the Site occurred prior to 1978. Therefore, PCBs at the Site are not associated with a TSCA release.

Of the 195,000 tons of soil disposed off-Site, approximately 84,565 tons of these soils were transported by railcar to either Sunny Farms Landfill in Fostoria, Ohio (approximately 82,710 tons), or Taylor County Landfill in Mauk, Georgia (approximately 1,855 tons), following Bill-of-Lading tracking procedures. The approximately 1,855 tons of soil transported to the Taylor County Landfill also followed ACWM Shipping Record tracking procedures.

Of the 195,000 tons of soil disposed off-Site, approximately 20,050 tons of these soils (both AIS and non AIS) required TCLP treatment (stabilization) to eliminate toxicity characteristics of certain metals prior to transport and disposal at various out-of-State facilities. Soils were transported following BOL tracking procedures.

Approximately 33,800 cubic yards (CY) of geotechnically suitable natural soils were relocated from the Site to the 1 Air Force Road property located approximately one mile north of the Site, and owned by 68 Tremont Street, LLC. Soils relocated to 1 Air Force Road were pre-characterized and had constituent concentrations less than RCS-1 criteria. These soils were transported using MSRs.

As discussed in Section (b) below, approximately 61 CY of ACMs were transported off-Site for disposal at either Minerva Enterprises in Waynesburg, Ohio (approximately 26 CY) or Frank Road Recycling Solutions in Grove City, Ohio (approximately 35 CY). ACM was transported following Massachusetts Non-Hazardous Special Waste Manifests procedures.

GZA prepared and submitted a NOI and RGP to EPA and MassDEP following the newly promulgated 2017 RGP requirements on July 6, 2017. The 2017 RGP replaced the RGP that expired on September 9, 2015. EPA approved the NOI/RGP submittal on August 3, 2017, and assigned Permit # MAG910727. Prior dewatering at the Site was performed following requirements contained in the 2015 RGP regulations.

Asphalt, concrete and/or timbers were sampled, as necessary, for disposal characterization. Asphalt, concrete, and timber piles were transported off-Site and disposed of at appropriately permitted facilities.

Construction-related work performed during this RAM performance period included several activities. The bulk excavation for the below-grade garage for the resort was completed. The mat slab for the garage foundation was completed, and rock anchors were installed for the garage mat slab. Dewatering wells for the garage excavation were shut down and well decommissioning commenced. Floor slabs for the garage were constructed up to ground surface. Work associated with the living shoreline was initiated. The permanent marine sheet-pile bulkhead and load transfer platform were completed.

Drainage outfalls #1 through #3 were completed. Mini-piles were driven for the resort foundation. Pre-cast prestressed concrete piles were installed for both the resort and the precast marine wharf. Fuel storage tanks were installed north of the Central Utility Plant (CUP) portion of the resort. Installation of detention basin #2 was initiated. Excavation and backfilling for pile caps was completed in the convention center area of the resort. Soil excavation was initiated for EPS foam blocks on the southern end of the resort. In general, geotechnically suitable soils were reused to the extent possible; excess soils requiring off-Site disposal had previously been pre-characterized and/or additional pre-characterization soil data was developed to allow off-Site disposal at appropriately permitted facilities.

HEALTH AND SAFETY

Work activities in the RAM Project Area are performed by personnel trained to handle contaminated materials per Occupational Safety and Health Administration (OSHA) Regulation 29 CFR 1910.120. The original Health and Safety Plan governing GZA's activities at the RAM Project Area was attached to the Modified RAM Plan. That Health and Safety Plan has been modified to include additional environmental monitoring to evaluate the potential for airborne migration of asbestos fibers such that personal protective equipment (PPE) could be upgraded as necessary. During this RAM Status Report performance period, air monitoring results for asbestos fibers in air were reported as below the 0.01 fibers per cubic centimeter criteria developed by the Massachusetts Department of Labor.

WATER TREATMENT

Groundwater encountered during construction excavations which require dewatering is pumped to the on-Site treatment system for treatment and discharge in accordance with the RGP. As discussed below in Section (b), the groundwater treatment system was modified at various times to address exceedances of certain metals and total cyanide. Corrective actions taken by the system operator included cleaning the system's primary settling tanks, backwashing carbon vessels, implementation of more frequent change-outs of the bag filter units, replacement of the existing cation exchange filter media, and providing additional anion exchange media (for the cyanide). Following corrective actions, RGP discharge limits were generally met. A dewatering sump detail and process flow diagram and a table summarizing influent/effluent testing results during the reporting period are included in Appendix D. Laboratory reports are included in Appendix E.

PERIMETER AIR MONITORING

Perimeter dust monitoring is performed on a continuous basis. The automated perimeter air monitoring system consists of four individual AirLogics SolarLite monitoring stations with associated analytical instrumentation, a meteorological station, a computer control system, and an alarm system linked to the analytical instrumentation by an integrated communication/telemetry package. The meteorological station is used to identify which stations are upwind, downwind, or crosswind of RAM Project Area on a real-time basis.

The analytical instrumentation within each perimeter station consists of a respirable particulate meter for the measurement of dust as a surrogate for polynuclear aromatic hydrocarbons (PAHs) and metals. The photoionization detectors (PIDs), along with the Respirable Particulate Meters, are housed in weather-tight enclosures. The system operates on solar power, and is configured with on-board battery backup. Data collected by the AirLogics system is used to evaluate compliance with the perimeter limits for dust developed as part of the Modified RAM Plan, and to identify any need to suspend or modify remediation activities due to Modified RAM-related air emissions. Weekly summary sheets are included as Appendix F.

Additional air monitoring was performed per requirements contained in the NT Plan and, the two RAM Plan modifications, and per discussions with Mr. John Macauley and Mr. Andrew Clark of MassDEP. In addition to AirLogics total dust monitoring, air monitoring during the reporting period included perimeter, work zone and interior site monitoring/sampling for potential airborne asbestos fibers when earthwork or other activities in the RAM Project Area had the potential to disturb soil potentially containing asbestos or documented to have AIS. Air samples are analyzed for asbestos using Phase Contrast Microscopy (PCM) in accordance with the standards developed by the National Institute of Occupational Safety and Health (NIOSH). Please refer to the RAM Plan modifications and NT Plan previously submitted to MassDEP for additional details regarding monitoring protocols.

DUST CONTROL MEASURES

Dust control measures are continuously employed to limit dust generation. These measures include covering trucks hauling soil off the RAM Project Area and covering roll-off containers and temporary stockpiles at the end of each day with either polyethylene sheeting or a spray-applied encapsulating agent (e.g., Gorilla Snot). Truck wheel washing stations are located near the construction entrance (Horizon Way) and exit (Dexter Street) to mitigate the tracking of materials from the RAM Project Area onto public roadways. Construction entrances and roadways are being swept on an as needed basis and water sprays have been applied on a consistent basis to limit dust generation.

Dust control measures specific to the NT Plan have also been employed for asbestos-related work activities and are similar to those outlined above. Please refer to the NT Plan and two RAM Plan modifications previously filed with MassDEP for additional detail.

PERMITS

As previously cited, an NOI for the RGP was submitted to EPA and MassDEP on July 6, 2017, to address the 2017 RGP requirements, EPA approved the NOI/RGP submittal on August 3, 2017, and assigned Permit # MAG910727.

(b) Any Significant New Site Information or Data

TEST PITS, SAMPLING, AND ANALYSES

During the reporting period, approximately 50 test pits were advanced by the subcontractor, J. Derenzo Company (JDC), using various sized excavators to collect additional pre-characterization samples for disposal characterization and/or to collect soil samples for asbestos analysis. Test pits were performed at locations where samples were collected at depths greater than 3 feet below existing grades. In addition, approximately 100 soil samples were collected from soil stockpiles for disposal characterization purposes. A GZA field engineer monitored the test pits and collected soil samples.

Pre-Characterization Sampling and Analyses

Pre-characterization soil samples and asbestos sample locations are identified in the field by (1) cell coordinates which have been surveyed and marked using global positioning system (GPS) equipment (vertical and lateral controls), or (2) cell designations created within soil stockpiles. Cell dimensions varied to reflect construction excavations for select features or by the size of soil stockpile. Samples collected during the test pitting were typically collected at 3.3-foot intervals with some variation due to subsurface obstructions or to accommodate the depths of various utilities and various subsurface structures. Sample identifications for the pre-characterization samples reflected the location where the sample was collected (e.g., G-K 20 = a select cell, DL = drain line, SP = stockpile, OF = outfall, Fuel Tank = fuel tank installation area, etc.).

Figure 3 shows the Materials Management Areas where soil stockpiles are managed, cell locations, and areas along the shoreline where soil and sediment have been excavated and then stockpiled (in the materials management areas).

Pre-characterization samples were typically analyzed for VOCs, SVOCs (including pyridine), Pesticides (including toxaphene), Herbicides, total petroleum hydrocarbons (TPH), PCBs, MCP 14 metals, pH, Conductivity, Reactivity (cyanide and sulfide). In addition, delineation samples were collected along the G-K 20 alignment, and between cells within soil stockpiles, as necessary. The delineation samples were collected for the segregation of soils identified as containing TCLP metals (lead and/or arsenic) that required treatment within the disposal site boundary to reduce leachable metals concentrations for disposal purposes. Samples were submitted to Alpha Analytical of Westborough, Massachusetts, following chain-of-custody protocols. Laboratory data is summarized on Tables 1 through 7. Laboratory data reports are provided in Appendix E.

The analytical parameters and sampling frequencies were selected to satisfy acceptance criteria for disposal of materials at Massachusetts lined and unlined landfills (Table 1 parameters in Policy # Comm-97-001) or the acceptance criteria identified by out-of-state disposal facilities, and included MCP 14 metals to address RCS-1 facilities in Massachusetts.

Asbestos in Soil Sampling and Analyses

Due to the detection of asbestos in soil associated with demolition debris excavated during construction activities at the Site, a RAM Plan modification was prepared in tandem with an NT Work Plan. The NT Plan was prepared by Environmental Health & Engineering, Inc. (EH&E) of Needham, Massachusetts and was submitted to MassDEP on November 16, 2016.

Per the RAM Plan modification and NT Plan, soil sampling for asbestos was performed in cells where demolition debris was visible and could potentially contain asbestos. Soil samples were collected at a frequency of one four-point composite sample per 100 cubic yards of soil. With this sampling approach, multiple asbestos samples were collected from designated pre-characterization cells and RAM Project Area. Areas that tested positive for asbestos in soil were identified on soil excavation/management figures prepared by GZA and the Contractor, Suffolk Construction.

During this reporting period, approximately 306 soil samples (from test pits, from hand auger sampling along the living shoreline, from surface soils, and from stockpiled soils/sediment) were submitted to CEI Labs of Cary, North Carolina, for analysis of asbestos in soil by PLM methodology as discussed with MassDEP. Laboratory testing results for the 306 soil samples were all ND. Laboratory testing results for asbestos are included in Appendix G.

RGP SAMPLING AND TESTING RESULTS

As noted above, the on-Site groundwater treatment system has been modified to address exceedances of copper, iron, and cyanide during effluent sampling. GZA, on behalf of Wynn MA, notified EPA Region 1 when exceedances occurred and identified corrective actions/proposed system upgrades. Following the implementation of these upgrades, RGP discharge limits have been met. RGP testing results are summarized on the table included in Appendix D.

PERIMETER AIR MONITORING DATA

AirLogics

Perimeter dust monitoring has been performed on a continuous basis during this reporting period. The AirLogics system used at the Site was configured to generate 15-minute time-weighted averages of particulate levels. The system was programmed based on an action level for Respirable Particulate Matter (up to 10 micrometers in size (PM10)) of 1,400 $\mu g/m^3$ over upwind background along with warning level alarms set at lower thresholds designed to provide Project personnel with an advance warning of potential air quality issues. Weekly air monitoring summary sheets for this reporting period are included in Appendix F. Air emissions were within perimeter action limits during this RAM Status Report performance period. Water trucks to control dust generation continue to be consistently used in the RAM Project Area.

Asbestos-Related Activities and Monitoring

As described in the first RAM Plan modification and NT Plans, air sampling stations for asbestos sampling were established at the four Site perimeter stations (AirLogics locations) and at four interior site monitoring locations on the Site with two stations north of the garage excavation and two stations south of the garage excavation area. Monitoring was also performed at four compass direction locations around individual work zones where asbestos-impacted soil was or could be disturbed. Samples were collected and analyzed for total airborne fibers, including but not specific to asbestos, using Phase Contrast Microscopy (PCM) methodology. Samples were collected on 4-hour monitoring periods and analyzed on-Site for total fiber count for real-time evaluation on the day the work was being performed.

Since the implementation of these air monitoring activities, no perimeter sampling results have exceeded the established action level of 0.010 f/cc. One work zone sample and one interior site monitoring sample result exceeded the screening action level; however, subsequent follow-up testing using Transmission Electron Microscopy (TEM) laboratory methodology did not identify the presence of asbestos fibers in either sample. The absence of action level exceedances of asbestos fibers confirmed that the controls put in place as part of the Modified RAM Plan were effective at reducing migration of airborne fibers, and that the airborne migration of fibers is not a significant exposure pathway at the RAM Project Area. Thus, on February 2, 2017, following a discussion with Mr. Macauley of MassDEP, a second RAM Plan modification was submitted to MassDEP which removed the requirement for the perimeter and interior air sampling for total airborne fibers, but still required work zone monitoring at locations where asbestos-impacted soil was or could be disturbed.

Excavated soil containing asbestos was stockpiled at the Material Management Areas (refer to Figure 3). Stockpiles were covered with Gorilla Snot™ for dust control.

Equipment and vehicles that contact asbestos-impacted soil were decontaminated using a "wheel wash" prior to moving onto public streets. Wastewater from the decontamination facilities was processed through 5-micron filter bags and then directed through the on-Site treatment system. Used 5-micron filtration bags were disposed of as asbestos-containing material.

In addition, third-party monitoring and clearance monitoring was performed by Massachusetts-licensed asbestos monitors from LBP Solutions, LLC (LBP), of Foxboro, Massachusetts, for the following activities:

- Decommissioning of the Dexter Street and Horizon Way wheel-washes in February 2017, including the removal of 6 inches of soil underlying the wheel washes;
- Decontamination of 10 lengths of rail-spur and removal of approximately 6 inches of soil from the corresponding exclusion zone in March 2017;
- Excavation and removal of asbestos-impacted asphalt road materials and an additional 3 inches of soil initially installed for loading of rail-cars; and
- AIS stockpile areas and truck load out areas.

Excavated asbestos impacted materials were loaded into appropriately labeled and sealed containers for off-Site disposal.

NewRoads Environmental (NewRoads), a Massachusetts Licensed Asbestos Contractor (AC000822) contracted by JDC, performed the asbestos abatement, and coordinated off-Site disposal of the abated asbestos materials. These decommissioning activities were communicated to Mr. John Macauley of MassDEP prior to implementation.

TRADITIONAL ASBESTOS ABATEMENT

During excavation work by JDC, asbestos-containing transite pipe and piping wrapped in asbestos insulation and asbestos-containing mastic were encountered at three locations during the reporting period; in February (approximately 35 CY of non-friable materials) and in March and April 2017 (approximately 26 CY of non-friable materials). In accordance with

MassDEP notification requirements in 310 CMR 7.15 and Department of Labor Standards (DLS) notification requirements contained in 453 CMR 6.12, online Asbestos Notification Forms (ANF-001) were filed as necessary. NewRoads, contracted by JDC, performed the asbestos abatement and coordinated off-Site disposal of the abated asbestos materials. Massachusetts-licensed asbestos monitors from LBP provided third-party monitoring and clearance responsibilities during abatement activities.

DISCOLORED SEEP AND SOIL EXCAVATION

A discolored seep of water was observed by GZA in late April 2017 following excavation activities to install the coir rock roll component of the living shoreline improvements on the southeastern shoreline. The water was yellowish in color at the seep location but changed to green to gray to black over time. The seep was observed to appear at high tide and then diminish at low tide, indicating the seep appeared to be influenced by tidal fluctuations. The seep was contained in a shallow trench between the installed coir rock roll and the location where the seep was observed breaking through the bank. Following a review of this occurrence with Wynn MA and its contractor, a silty clay soil berm was constructed to prevent the seep from directly entering the nearby surface water.

On April 25, 2017, GZA collected a sample of the seep for laboratory testing. Samples were collected in appropriate laboratory-provided containers (preserved as necessary) for the following analyses: SVOCs by EPA method 8270, total metals (arsenic, cadmium, iron, lead, manganese, and vanadium), and dissolved organic carbon, total carbon, and sulfur.

The laboratory test results for SVOCs were reported below detection limits. Reported metals concentrations were arsenic at 149 ug/L, iron at 836 ug/L, lead at 15.3 ug/L, manganese at 1,430 ug/L, and vanadium at 22.2 ug/L. Cadmium was reported as below detection limits. Sulfur was reported at 2,110 mg/L. Dissolved organic carbon and total organic carbon were reported at 22.1 mg/L and 21.2 mg/L, respectively. Based on the analytical data, it was GZA's opinion that the colors in the seep were due to the presence of sulfur, with the different colors reflecting both concentration and oxidation state.

GZA performed a preliminary risk assessment for construction workers who may come into contact with the seep water and for nearby ecological receptors. GZA's risk screening indicated that construction workers without personal protection equipment (PPE) could be exposed to the seep water for up to two 8-hour days per week, or four 4-hour days per week, without Significant Risk. The use of appropriate PPE would reduce dermal contact and extend the acceptable exposure frequency. Using assumptions for dilution factors and the water quality of the tidally influenced ecological receptor (Mystic River), GZA concluded that there was likely no significant risk to ecological receptors. GZA collected additional surface water samples on May 8, 2017, which confirmed the preliminary risk assessment conclusions for construction workers and ecological receptors. Testing results are summarized on Table 8.

As discussed with MassDEP, approximately 120 cubic yards (CY) of soil containing visible amounts of elemental sulfur was excavated and stockpiled in Marine Stockpile #10. The resulting excavation was backfilled with soil and control-density fill (CDF) mixed with bentonite. Following backfilling with the bentonite/CDF mix, no additional discolored seepage was observed.

(c) Details of and/or Plans for the Management of Remediation Waste, Remedial Wastewater and/or Remedial Additives

During this RAM Status Report performance period, approximately 195,000 tons of impacted materials (soil, sediment, iron sludge) were removed from the RAM Project Area and transported to the various disposal facilities outlined below. A breakdown of the approximate total soil volumes received per facility is presented below.

- Approximately 32,045 tons of soil to Massachusetts Unlined Landfills (Fall River, Clinton, and Hopedale Landfills) under BOLs;

- Approximately 11,765 tons of soil to Massachusetts Lined Landfills (Taunton, Middleborough, and Fitchburg Landfills) under BOLs;
- Approximately 18,995 tons of below RCS-1 soil to the Green Acres Soil Reclamation Facility in Uxbridge, Massachusetts, under a Material Shipping Record (MSR);
- Approximately 27,390 tons of soil to Turnkey Landfill (TREE) in Rochester, New Hampshire (RCRA D Facility) under BOLs;
    - Approximately 10,065 tons as Cover; and
    - Approximately 17,325 tons as Disposal.
- Approximately 5,720 tons of asbestos-impacted soil to TREE in Rochester, New Hampshire (RCRA D Facility) under BOLs and Asbestos Shipping Records;
    - Approximately 3,710 tons non-treated; and
    - Approximately 2,010 tons required treatment (stabilization) to eliminate toxicity characteristic of lead prior to transport and disposal.
- Approximately 11,255 tons of soil tons requiring treatment (stabilization) to eliminate toxicity characteristic of lead prior to transport and disposal at TREE in Rochester, New Hampshire (RCRA D Facility) under BOLs;
- Approximately 615 tons of iron sludge materials to Crossroads Landfill in Norridgewock, Maine under a BOL;
- Approximately 82,710 tons of soils to Sunny Farms Landfill in Fostoria, Ohio (by railcar; a RCRA D Facility) under a BOL;
    - Approximately 4,918 tons required treatment (stabilization) to eliminate toxicity characteristic of lead and/or arsenic prior to transport and disposal; and
    - Approximately 77,791 tons did not require treatment.
- Approximately 1,855 tons of soil containing <1% asbestos to Taylor County Landfill in Mauk, Georgia (by railcar; a RCRA D Facility) under a BOL and Asbestos Shipping Record. This soil also required treatment (stabilization) to eliminate the toxicity characteristic of lead and/or arsenic prior to transport and disposal;
- Approximately 2,650 tons of PCB-impacted soil by railcar to US Ecology in Belleville, Michigan (a TSCA Facility) under a Hazardous Waste Manifest;
- Approximately 26 CY of non-friable ACMs were transported off-Site for disposal at Minerva Enterprises in Waynesburg, Ohio, and approximately 35 CY of non-friable ACMs were transported off-Site for disposal at Frank Road Recycling Solutions in Grove City, Ohio. ACM was transported following Massachusetts Non-Hazardous Special Waste Manifest procedures; and
- Refer to Appendix C for information on remediation waste generated during the UST removals at 38 Broadway.

BOL attestations are currently being prepared by GZA. BOLs, Asbestos Shipping Records, and Hazardous Waste Manifest tracking documents will be provided to MassDEP as separate submittals.

Groundwater generated during construction dewatering is treated by an onsite treatment system, as described above, and discharged to the cove on the southeastern portion of the Site.

Effluent from the treatment system is being sampled at a frequency to comply with the recently issued RGP permit.

(d) Any other information that the Department during its review and evaluation of a Status Report determines to be necessary to complete said Status Report, in view of Site specific circumstances and conditions

No other specific information has been requested by the MassDEP.

(e) An LSP Opinion as to whether the Release Abatement Measure is being conducted in conformance with the Release Abatement Measure Plan and any conditions of approval established by the Department

The LSP Opinion concerning whether the RAM is being conducted in conformance with the Modified RAM Plan is included on the Transmittal Form (BWSC106) attached to this RAM Status Report in Appendix A. It is the LSP's Opinion that this RAM is being conducted in conformance with the May 3, 2016, RAM Plan and subsequent RAM Plan Modifications.

Due to file size of this RAM Status Report and eDEP file size limitations for electronic submittals, Appendices E and G have been submitted separately using the BWSC126 Miscellaneous Document Transmittal Form.

We trust this information satisfies your requirements. Should you have questions, please feel free to contact the undersigned.

Sincerely,
GZA GEOENVIRONMENTAL, INC.

Neal Carey
Neal Carey
Senior Manager

Matthew M. Smith
Consultant Reviewer

Lawrence Feldman
Lawrence Feldman, LSP
Senior Principal

Attachments:
- Table 1 – Main Site and Utilities Stockpile Soil Analytical Results
- Table 2 – Main Site and Utilities Stockpile Delineation Results
- Table 3 – Precharacterization Cell Soil Analytical Results
- Table 4 – Precharacterization Grid Companion Cell Results
- Table 5 – Marine Stockpile Soil Analytical Results
- Table 6 – Marine Stockpile Delineation Results
- Table 7 – Lagoon Sludge Analytical Results
- Table 8 - Wynn Shoreline Water Analytical Results
- Figure 1 - Site Locus Map
- Figure 2 - RAM Project Area
- Figure 3 - Site Plan
- Appendix A - Transmittal Form BWSC106
- Appendix B – Limitations
- Appendix C – UST Removal Documentation (38 Broadway)
- Appendix D - Dewatering Documentation
- Appendix E - Laboratory Reports (submitted separately using BWSC126)
- Appendix F - AirLogics Weekly Reports
- Appendix G - Asbestos Laboratory Reports (submitted separately using BWSC126)

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Tables

TABLE 1
MAIN SITE AND UTILTIES STOCKPIL SOIL ANALTICAL RESULTS
Wynn Boston Harbor
1 Horizon Way
Everett, Massachusetts

Analyte	Sample ID Laboratory Work Order Sampling Date	HWAY_WM_S1 L1704149/L1704506 2/8/2017	MBTA_WM_S1 L1704149 2/8/2017	MBTA_WM_S2 L1704149/L1704506 2/8/2017	MBTA WEST WM STOCKPILE S2 L1707345/L1707679 3/9/2017	MBTA WEST WM STOCKPILE S1 L1707345/L1707679 3/9/2017	UTILITY SPOILS STOCKPILE (NORTH) L1718412/L1719010 6/5/2017	UTILITY SPOILS STOCKPILE (SOUTH) L1718412/L1719010 6/5/2017	ELECTRIC VAULT L1725185/L1725632 7/21/2017
Total Metals	Units								
Antimony	mg/kg	18	< 2.5	< 2.3	3.3	< 2.2	< 2.55	35.3	34.2
Arsenic	mg/kg	180	14	15	30	6.7	62.8	122	417
Barium	mg/kg	120	170	68	52	75	67.7	130	83.1
Beryllium	mg/kg	0.33	0.67	0.44	0.43	0.42	0.265	0.381	< 0.230
Cadmium	mg/kg	3.2	1.1	< 0.46	< 0.46	< 0.44	12.1	7.56	6.23
Chromium	mg/kg	18	30	8.9	11	20	14.8	18.8	10.8
Lead	mg/kg	930	57	170	140	290	250	674	2570
Mercury	mg/kg	0.956	0.258	0.358	0.583	0.174	0.574	2.42	7.75
Nickel	mg/kg	19	21	11	11	16	10.7	15	8.48
Selenium	mg/kg	5	< 2.5	< 2.3	< 2.3	< 2.2	4.03	3.69	37.3
Silver	mg/kg	5.5	< 0.49	< 0.46	< 0.46	< 0.44	4.42	3.61	3.71
Thallium	mg/kg	< 2.5	< 2.5	< 2.3	< 2.3	< 2.2	< 2.55	< 2.44	3.97
Vanadium	mg/kg	37	37	14	23	23	18	26.6	16.2
Zinc	mg/kg	1300	500	100	85	160	4860	3760	1510
Metals by Toxicity Characteristic Leaching Procedure (TCLP)									
Arsenic, TCLP	mg/l	< 1.0	--	--	--	--	--	< 1.0	< 1.00
Lead, TCLP	mg/l	< 0.50	--	< 0.50	< 0.50	7.2	< 0.50	9.75	10.3
Mercury, TCLP	mg/l	--	--	--	--	--	--	--	< 0.0010
Selenium, TCLP	mg/l	--	--	--	--	--	--	--	< 0.500
Herbicides									
2,4,5-T	mg/kg	<0.043	<0.041	<0.039	<0.039	<0.038	<2.2	<0.04	<0.038
2,4,5-TP (Silvex)	mg/kg	<0.043	<0.041	<0.039	<0.039	<0.038	<2.2	<0.04	<0.038
2,4-D	mg/kg	<0.043	<0.041	<0.039	<0.039	<0.038	<2.2	<0.04	<0.038
2,4-DB	mg/kg	<0.043	<0.041	<0.039	<0.039	<0.038	<2.2	<0.04	<0.038
Dalapon	mg/kg	<0.043	<0.041	<0.039	<0.039	<0.038	<2.2	<0.04	<0.038
Dicamba	mg/kg	<0.043	<0.041	<0.039	<0.039	<0.038	<2.2	<0.04	<0.038
Dichlorprop	mg/kg	<0.043	<0.041	<0.039	<0.039	<0.038	<2.2	<0.04	<0.038
Dinoseb	mg/kg	<0.043	<0.041	<0.039	<0.039	<0.038	<2.2	<0.04	<0.038
MCPA	mg/kg	<4.3	<4.1	<3.9	<3.9	<3.8	<220	<4	<3.8
MCPP	mg/kg	<4.3	<4.1	<3.9	<3.9	<3.8	<220	<4	<3.8
Total Herbicides	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides									
4,4'-DDD	mg/kg	<0.0102	<0.00999	<0.00916	<0.00926	<0.009	<0.0104	<0.00947	<0.00908
4,4'-DDE	mg/kg	<0.0102	<0.00999	<0.00916	<0.00926	<0.009	<0.0104	<0.00947	<0.00908
4,4'-DDT	mg/kg	<0.0192	<0.0187	<0.0172	<0.0174	<0.0169	<0.0196	<0.0178	<0.017
Aldrin	mg/kg	<0.0102	<0.00999	<0.00916	<0.00926	<0.009	<0.0104	<0.00947	<0.00908
alpha-BHC	mg/kg	<0.00427	<0.00416	<0.00382	<0.00386	<0.00375	<0.00435	<0.00395	<0.00378
beta-BHC	mg/kg	<0.0102	<0.00999	<0.00916	<0.00926	<0.009	<0.0104	<0.00947	<0.00908
Chlordane	mg/kg	<0.0833	<0.0812	<0.0744	<0.0752	<0.0731	<0.0849	<0.077	<0.0738
delta-BHC	mg/kg	<0.0102	<0.00999	<0.00916	<0.00926	<0.009	<0.0104	<0.00947	<0.00908
Dieldrin	mg/kg	<0.00641	<0.00625	<0.00572	<0.00579	<0.00562	<0.00653	<0.00592	<0.00568
Endosulfan I	mg/kg	<0.0102	<0.00999	<0.00916	<0.00926	<0.009	<0.0104	<0.00947	<0.00908
Endosulfan II	mg/kg	<0.0102	<0.00999	<0.00916	<0.00926	<0.009	<0.0104	<0.00947	<0.00908
Endosulfan sulfate	mg/kg	<0.00427	<0.00416	<0.00382	<0.00386	<0.00375	<0.00435	<0.00395	<0.00378
Endrin	mg/kg	<0.00427	<0.00416	<0.00382	<0.00386	<0.00375	<0.00435	<0.00395	<0.00378
Endrin ketone	mg/kg	<0.0102	<0.00999	<0.00916	<0.00926	<0.009	<0.0104	<0.00947	<0.00908
Heptachlor	mg/kg	<0.00513	<0.005	<0.00458	<0.00463	<0.0045	<0.00522	<0.00474	<0.00454
Heptachlor epoxide	mg/kg	<0.0192	<0.0187	<0.0172	<0.0174	<0.0169	<0.0196	<0.0178	<0.017
Hexachlorobenzene	mg/kg	<0.0102	<0.00999	<0.00916	<0.00926	<0.009	<0.0104	<0.00947	<0.00908
Lindane	mg/kg	<0.00342	<0.00333	<0.00305	<0.00309	<0.003	<0.00348	<0.00316	<0.00303
Methoxychlor	mg/kg	<0.0192	<0.0187	<0.0172	<0.0174	<0.0169	<0.0196	<0.0178	<0.017
Toxaphene	mg/kg	<0.192	<0.187	<0.172	<0.174	<0.169	<0.196	<0.178	<0.17
Total Pesticides	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Polychlorinated Biphenyls									
Aroclor 1016	mg/kg	<0.0427	<0.04	<0.038	<0.0385	<0.185	<0.0415	<0.0393	<0.0375
Aroclor 1221	mg/kg	<0.0427	<0.04	<0.038	<0.0385	<0.185	<0.0415	<0.0393	<0.0375
Aroclor 1232	mg/kg	<0.0427	<0.04	<0.038	<0.0385	<0.185	<0.0415	<0.0393	<0.0375
Aroclor 1242	mg/kg	<0.0427	<0.04	<0.038	<0.0385	<0.185	<0.0415	<0.0393	<0.0375
Aroclor 1248	mg/kg	<0.0427	<0.04	<0.038	<0.0385	<0.185	<0.0415	<0.0393	<0.0375
Aroclor 1254	mg/kg	<0.0427	<0.04	<0.038	<0.0385	<0.185	0.0802	0.0893	0.0392
Aroclor 1260	mg/kg	<0.0427	<0.04	<0.038	<0.0385	1.74	0.0494	<0.0393	<0.0375
Aroclor 1262	mg/kg	<0.0427	<0.04	<0.038	<0.0385	<0.185	<0.0415	<0.0393	<0.0375

TABLE 1
MAIN SITE AND UTILTIES STOCKPIL SOIL ANALTICAL RESULTS
Wynn Boston Harbor
1 Horizon Way
Everett, Massachusetts

Analyte	Sample ID Laboratory Work Order Sampling Date	HWAY_WM_S1 L1704149/L1704506 2/8/2017	MBTA_WM_S1 L1704149 2/8/2017	MBTA_WM_S2 L1704149/L1704506 2/8/2017	MBTA WEST WM STOCKPILE S2 L1707345/L1707679 3/9/2017	MBTA WEST WM STOCKPILE S1 L1707345/L1707679 3/9/2017	UTILITY SPOILS STOCKPILE (NORTH) L1718412/L1719010 6/5/2017	UTILITY SPOILS STOCKPILE (SOUTH) L1718412/L1719010 6/5/2017	ELECTRIC VAULT L1725185/L1725632 7/21/2017
Aroclor 1268	mg/kg	<0.0427	<0.04	<0.038	<0.0385	<0.185	<0.0415	<0.0393	<0.0375
Total PCBs	mg/kg	ND	ND	ND	ND	1.74	0.1296	0.0893	0.0392
Total Petroleum Hydrocarbons	mg/kg	181	48.9	107	65.7	403	201	383	238
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	mg/kg	<0.00075	<0.00062	<0.00076	<0.00048	<0.00061	<0.00068	<0.00059	<0.00091
1,1,1-Trichloroethane	mg/kg	<0.00075	<0.00062	<0.00076	<0.00048	<0.00061	<0.00068	<0.00059	<0.00091
1,1,2,2-Tetrachloroethane	mg/kg	<0.00075	<0.00062	<0.00076	<0.00048	<0.00061	<0.00068	<0.00059	<0.00091
1,1,2-Trichloroethane	mg/kg	<0.0011	<0.00093	<0.0011	<0.00071	<0.00092	<0.001	<0.00089	<0.0014
1,1-Dichloroethane	mg/kg	<0.0011	<0.00093	<0.0011	<0.00071	<0.00092	<0.001	<0.00089	<0.0014
1,1-Dichloroethene	mg/kg	<0.00075	<0.00062	<0.00076	<0.00048	<0.00061	<0.00068	<0.00059	<0.00091
1,1-Dichloropropene	mg/kg	<0.003	<0.0025	<0.003	<0.0019	<0.0024	<0.0027	<0.0024	<0.0036
1,2,3-Trichlorobenzene	mg/kg	<0.003	<0.0025	<0.003	<0.0019	<0.0024	<0.0027	<0.0024	<0.0036
1,2,3-Trichloropropane	mg/kg	<0.003	<0.0025	<0.003	<0.0019	<0.0024	<0.0027	<0.0024	<0.0036
1,2,4-Trichlorobenzene	mg/kg	<0.003	<0.0025	<0.003	<0.0019	<0.0024	<0.0027	<0.0024	<0.0036
1,2,4-Trimethylbenzene	mg/kg	<0.003	<0.0025	<0.003	<0.0019	<0.0024	<0.0027	<0.0024	<0.0036
1,2-Dibromo-3-chloropropane	mg/kg	<0.003	<0.0025	<0.003	<0.0019	<0.0024	<0.0027	<0.0024	<0.0036
1,2-Dibromoethane	mg/kg	<0.003	<0.0025	<0.003	<0.0019	<0.0024	<0.0027	<0.0024	<0.0036
1,2-Dichlorobenzene	mg/kg	<0.003	<0.0025	<0.003	<0.0019	<0.0024	<0.0027	<0.0024	<0.0036
1,2-Dichloroethane	mg/kg	<0.00075	<0.00062	<0.00076	<0.00048	<0.00061	<0.00068	<0.00059	<0.00091
1,2-Dichloropropane	mg/kg	<0.0026	<0.0022	<0.0027	<0.0017	<0.0021	<0.0024	<0.0021	<0.0032
1,3,5-Trimethylbenzene	mg/kg	<0.003	<0.0025	<0.003	<0.0019	<0.0024	<0.0027	<0.0024	<0.0036
1,3-Dichlorobenzene	mg/kg	<0.003	<0.0025	<0.003	<0.0019	<0.0024	<0.0027	<0.0024	<0.0036
1,3-Dichloropropane	mg/kg	<0.003	<0.0025	<0.003	<0.0019	<0.0024	<0.0027	<0.0024	<0.0036
1,4-Dichlorobenzene	mg/kg	<0.003	<0.0025	<0.003	<0.0019	<0.0024	<0.0027	<0.0024	<0.0036
1,4-Dioxane	mg/kg	<0.03	<0.025	<0.03	<0.019	<0.024	<0.027	<0.024	<0.036
2,2-Dichloropropane	mg/kg	<0.0038	<0.0031	<0.0038	<0.0024	<0.0031	<0.0034	<0.003	<0.0045
2-Butanone	mg/kg	<0.0075	<0.0062	<0.0076	<0.0048	<0.0061	<0.0068	<0.0059	<0.0091
2-Hexanone	mg/kg	<0.0075	<0.0062	<0.0076	<0.0048	<0.0061	<0.0068	<0.0059	<0.0091
4-Methyl-2-pentanone	mg/kg	<0.0075	<0.0062	<0.0076	<0.0048	<0.0061	<0.0068	<0.0059	<0.0091
Acetone	mg/kg	<0.027	<0.022	<0.027	<0.017	<0.022	<0.024	<0.021	0.035
Benzene	mg/kg	<0.00075	<0.00062	<0.00076	<0.00048	<0.00061	<0.00068	<0.00059	<0.00091
Bromobenzene	mg/kg	<0.0038	<0.0031	<0.0038	<0.0024	<0.0031	<0.0034	<0.003	<0.0045
Bromochloromethane	mg/kg	<0.003	<0.0025	<0.003	<0.0019	<0.0024	<0.0027	<0.0024	<0.0036
Bromodichloromethane	mg/kg	<0.00075	<0.00062	<0.00076	<0.00048	<0.00061	<0.00068	<0.00059	<0.00091
Bromoform	mg/kg	<0.003	<0.0025	<0.003	<0.0019	<0.0024	<0.0027	<0.0024	<0.0036
Bromomethane	mg/kg	<0.0015	<0.0012	<0.0015	<0.00095	<0.0012	<0.0014	<0.0012	<0.0018
Carbon disulfide	mg/kg	<0.003	<0.0025	<0.003	<0.0019	<0.0024	0.0056	<0.0024	<0.0036
Carbon tetrachloride	mg/kg	<0.00075	<0.00062	<0.00076	<0.00048	<0.00061	<0.00068	<0.00059	<0.00091
Chlorobenzene	mg/kg	<0.00075	<0.00062	<0.00076	<0.00048	<0.00061	<0.00068	<0.00059	<0.00091
Chloroethane	mg/kg	<0.0015	<0.0012	<0.0015	<0.00095	<0.0012	<0.0014	<0.0012	<0.0018
Chloroform	mg/kg	<0.0011	<0.00093	<0.0011	<0.00071	<0.00092	<0.001	<0.00089	<0.0014
Chloromethane	mg/kg	<0.003	<0.0025	<0.003	<0.0019	<0.0024	<0.0027	<0.0024	<0.0036
cis-1,2-Dichloroethene	mg/kg	<0.00075	<0.00062	<0.00076	<0.00048	<0.00061	<0.00068	<0.00059	<0.00091
cis-1,3-Dichloropropene	mg/kg	<0.00075	<0.00062	<0.00076	<0.00048	<0.00061	<0.00068	<0.00059	<0.00091
Dibromochloromethane	mg/kg	<0.00075	<0.00062	<0.00076	<0.00048	<0.00061	<0.00068	<0.00059	<0.00091
Dibromomethane	mg/kg	<0.003	<0.0025	<0.003	<0.0019	<0.0024	<0.0027	<0.0024	<0.0036
Dichlorodifluoromethane	mg/kg	<0.0075	<0.0062	<0.0076	<0.0048	<0.0061	<0.0068	<0.0059	<0.0091
Diethyl ether	mg/kg	<0.0038	<0.0031	<0.0038	<0.0024	<0.0031	<0.0034	<0.003	<0.0045
Di-Isopropyl ether	mg/kg	<0.003	<0.0025	<0.003	<0.0019	<0.0024	<0.0027	<0.0024	<0.0036
Ethyl tertiary-butyl ether	mg/kg	<0.003	<0.0025	<0.003	<0.0019	<0.0024	<0.0027	<0.0024	<0.0036
Ethylbenzene	mg/kg	<0.00075	<0.00062	<0.00076	<0.00048	<0.00061	<0.00068	<0.00059	<0.00091
Hexachlorobutadiene	mg/kg	<0.003	<0.0025	<0.003	<0.0019	<0.0024	<0.0027	<0.0024	<0.0036
Isopropylbenzene	mg/kg	<0.00075	<0.00062	<0.00076	<0.00048	<0.00061	<0.00068	<0.00059	<0.00091
Methyl tert-butyl ether	mg/kg	<0.0015	<0.0012	<0.0015	<0.00095	<0.0012	<0.0014	<0.0012	<0.0018
Methylene chloride	mg/kg	<0.0075	<0.0062	<0.0076	<0.0048	<0.0061	<0.0068	<0.0059	<0.0091
Naphthalene	mg/kg	<0.003	<0.0025	<0.003	0.0022	<0.0024	<0.0027	<0.0024	<0.0036
n-Butylbenzene	mg/kg	<0.00075	<0.00062	<0.00076	<0.00048	<0.00061	<0.00068	<0.00059	<0.00091
n-Propylbenzene	mg/kg	<0.00075	<0.00062	<0.00076	<0.00048	<0.00061	<0.00068	<0.00059	<0.00091
o-Chlorotoluene	mg/kg	<0.003	<0.0025	<0.003	<0.0019	<0.0024	<0.0027	<0.0024	<0.0036
o-Xylene	mg/kg	<0.0015	<0.0012	<0.0015	<0.00095	<0.0012	<0.0014	<0.0012	<0.0018
p/m-Xylenes	mg/kg	<0.0015	<0.0012	<0.0015	<0.00095	<0.0012	<0.0014	<0.0012	<0.0018
p-Chlorotoluene	mg/kg	<0.003	<0.0025	<0.003	<0.0019	<0.0024	<0.0027	<0.0024	<0.0036
p-Isopropyltoluene	mg/kg	<0.00075	<0.00062	<0.00076	<0.00048	<0.00061	<0.00068	<0.00059	<0.00091
sec-Butylbenzene	mg/kg	<0.00075	<0.00062	<0.00076	<0.00048	<0.00061	<0.00068	<0.00059	<0.00091

TABLE 1
MAIN SITE AND UTILTIES STOCKPIL SOIL ANALTICAL RESULTS

Wynn Boston Harbor
1 Horizon Way
Everett, Massachusetts

Analyte	Sample ID	HWAY_WM_S1	MBTA_WM_S1	MBTA_WM_S2	MBTA WEST WM STOCKPILE S2	MBTA WEST WM STOCKPILE S1	UTILITY SPOILS STOCKPILE (NORTH)	UTILITY SPOILS STOCKPILE (SOUTH)	ELECTRIC VAULT
	Laboratory Work Order	L1704149/L1704506	L1704149	L1704149/L1704506	L1707345/L1707679	L1707345/L1707679	L1718412/L1719010	L1718412/L1719010	L1725185/L1725632
	Sampling Date	2/8/2017	2/8/2017	2/8/2017	3/9/2017	3/9/2017	6/5/2017	6/5/2017	7/21/2017
Styrene	mg/kg	<0.0015	<0.0012	<0.0015	<0.00095	<0.0012	<0.0014	<0.0012	<0.0018
Tert-amyl methyl ether	mg/kg	<0.003	<0.0025	<0.003	<0.0019	<0.0024	<0.0027	<0.0024	<0.0036
Tert-Butylbenzene	mg/kg	<0.003	<0.0025	<0.003	<0.0019	<0.0024	<0.0027	<0.0024	<0.0036
Tetrachloroethene	mg/kg	<0.00075	<0.00062	<0.00076	<0.00048	<0.00061	<0.00068	<0.00059	<0.00091
Tetrahydrofuran	mg/kg	<0.003	<0.0025	<0.003	<0.0019	<0.0024	<0.0027	<0.0024	<0.0036
Toluene	mg/kg	<0.0011	<0.00093	<0.0011	<0.00071	<0.00092	<0.001	<0.00089	<0.0014
trans-1,2-Dichloroethene	mg/kg	<0.0011	<0.00093	<0.0011	<0.00071	<0.00092	<0.001	<0.00089	<0.0014
trans-1,3-Dichloropropene	mg/kg	<0.00075	<0.00062	<0.00076	<0.00048	<0.00061	<0.00068	<0.00059	<0.00091
Trichloroethene	mg/kg	<0.00075	0.00063	<0.00076	0.0012	<0.00061	<0.00068	<0.00059	<0.00091
Trichlorofluoromethane	mg/kg	<0.003	<0.0025	<0.003	<0.0019	<0.0024	0.0028	<0.0024	<0.0036
Vinyl chloride	mg/kg	<0.0015	<0.0012	<0.0015	<0.00095	<0.0012	<0.0014	<0.0012	<0.0018
Xylenes, Total	mg/kg	<0.0015	<0.0012	<0.0015	<0.00095	<0.0012	<0.0014	<0.0012	<0.0018
Total VOCs	mg/kg	ND	0.00063	ND	0.0034	ND	0.0084	ND	0.035
Semi-Volatile Organic Compounds									
1,2,4-Trichlorobenzene	mg/kg	<0.22	<0.2	<0.19	<0.2	<0.19	<0.22	<0.2	<0.19
1,2-Dichlorobenzene	mg/kg	<0.22	<0.2	<0.19	<0.2	0.24	<0.22	<0.2	<0.19
1,3-Dichlorobenzene	mg/kg	<0.22	<0.2	<0.19	<0.2	<0.19	<0.22	<0.2	<0.19
1,4-Dichlorobenzene	mg/kg	<0.22	<0.2	<0.19	<0.2	<0.19	<0.22	<0.2	<0.19
2,4,5-Trichlorophenol	mg/kg	<0.22	<0.2	<0.19	<0.2	<0.19	<0.22	<0.2	<0.19
2,4,6-Trichlorophenol	mg/kg	<0.13	<0.12	<0.12	<0.12	<0.11	<0.13	<0.12	<0.11
2,4-Dichlorophenol	mg/kg	<0.19	<0.18	<0.17	<0.18	<0.17	<0.19	<0.18	<0.17
2,4-Dimethylphenol	mg/kg	<0.22	<0.2	<0.19	<0.2	<0.19	<0.22	<0.2	<0.19
2,4-Dinitrophenol	mg/kg	<1	<0.98	<0.93	<0.94	<0.91	<1	<0.97	<0.91
2,4-Dinitrotoluene	mg/kg	<0.22	<0.2	<0.19	<0.2	<0.19	<0.22	<0.2	<0.19
2,6-Dinitrotoluene	mg/kg	<0.22	<0.2	<0.19	<0.2	<0.19	<0.22	<0.2	<0.19
2-Chloronaphthalene	mg/kg	<0.22	<0.2	<0.19	<0.2	<0.19	<0.22	<0.2	<0.19
2-Chlorophenol	mg/kg	<0.22	<0.2	<0.19	<0.2	<0.19	<0.22	<0.2	<0.19
2-Methylnaphthalene	mg/kg	<0.26	<0.24	0.27	<0.23	<0.23	<0.26	<0.24	<0.23
2-Methylphenol	mg/kg	<0.22	<0.2	<0.19	<0.2	<0.19	<0.22	<0.2	<0.19
2-Nitrophenol	mg/kg	<0.47	<0.44	<0.42	<0.42	<0.41	<0.47	<0.44	<0.41
3,3'-Dichlorobenzidine	mg/kg	<0.22	<0.2	<0.19	<0.2	<0.19	<0.22	<0.2	<0.19
3-Methylphenol/4-Methylphenol	mg/kg	<0.31	<0.29	<0.28	<0.28	<0.27	<0.31	<0.29	<0.27
4-Bromophenyl phenyl ether	mg/kg	<0.22	<0.2	<0.19	<0.2	<0.19	<0.22	<0.2	<0.19
4-Chloroaniline	mg/kg	<0.22	<0.2	<0.19	<0.2	<0.19	<0.22	<0.2	<0.19
4-Nitrophenol	mg/kg	<0.3	<0.28	<0.27	<0.27	<0.26	<0.3	<0.28	<0.27
Acenaphthene	mg/kg	0.4	<0.16	1.6	<0.16	<0.15	<0.17	<0.16	<0.15
Acenaphthylene	mg/kg	0.72	<0.16	<0.16	<0.16	<0.15	<0.17	<0.16	<0.15
Acetophenone	mg/kg	<0.22	<0.2	<0.19	<0.2	<0.19	<0.22	<0.2	<0.19
Aniline	mg/kg	<0.26	<0.24	<0.23	<0.23	<0.23	<0.26	<0.24	<0.23
Anthracene	mg/kg	1.8	<0.12	1.6	0.24	0.28	<0.13	0.12	0.19
Azobenzene	mg/kg	<0.22	<0.2	<0.19	<0.2	<0.19	<0.22	<0.2	<0.19
Benzo(a)anthracene	mg/kg	4.8	0.43	3.8	0.7	0.82	0.24	0.31	0.35
Benzo(a)pyrene	mg/kg	3.6	0.39	3.5	0.67	0.65	0.2	0.24	0.32
Benzo(b)fluoranthene	mg/kg	5.4	0.5	3.8	0.85	0.99	0.26	0.41	0.41
Benzo(ghi)perylene	mg/kg	2	0.22	2.1	0.34	0.39	<0.17	0.17	0.22
Benzo(k)fluoranthene	mg/kg	1.7	0.16	1.2	0.32	0.31	<0.13	0.13	0.14
Bis(2-chloroethoxy)methane	mg/kg	<0.23	<0.22	<0.21	<0.21	<0.2	<0.23	<0.22	<0.2
Bis(2-chloroethyl)ether	mg/kg	<0.19	<0.18	<0.17	<0.18	<0.17	<0.19	<0.18	<0.17
Bis(2-chloroisopropyl)ether	mg/kg	<0.26	<0.24	<0.23	<0.23	<0.23	<0.26	<0.24	<0.23
Bis(2-ethylhexyl)phthalate	mg/kg	<0.22	<0.2	<0.19	<0.2	<0.19	<0.22	<0.2	<0.19
Butyl benzyl phthalate	mg/kg	<0.22	<0.2	<0.19	<0.2	<0.19	<0.22	<0.2	<0.19
Chrysene	mg/kg	4.8	0.42	4.4	0.69	0.84	0.24	0.35	0.34
Dibenzo(a,h)anthracene	mg/kg	0.67	<0.12	0.49	<0.12	0.11	<0.13	<0.12	<0.11
Dibenzofuran	mg/kg	0.46	<0.2	0.2	<0.2	<0.19	<0.22	<0.2	<0.19
Diethyl phthalate	mg/kg	<0.22	<0.2	<0.19	<0.2	<0.19	<0.22	<0.2	<0.19
Dimethylphthalate	mg/kg	<0.22	<0.2	<0.19	<0.2	<0.19	<0.22	<0.2	<0.19
Di-n-butylphthalate	mg/kg	<0.22	<0.2	<0.19	<0.2	<0.19	<0.22	<0.2	<0.19
Di-n-octyl phthalate	mg/kg	<0.22	<0.2	<0.19	<0.2	<0.19	<0.22	<0.2	<0.19
Fluoranthene	mg/kg	12	0.74	11	1.3	1.5	0.5	0.57	0.79
Fluorene	mg/kg	0.52	<0.2	1.2	<0.2	<0.19	<0.22	<0.2	<0.19
Hexachlorobenzene	mg/kg	<0.13	<0.12	<0.12	<0.12	<0.11	<0.13	<0.12	<0.11
Hexachlorobutadiene	mg/kg	<0.22	<0.2	<0.19	<0.2	<0.19	<0.22	<0.2	<0.19
Hexachloroethane	mg/kg	<0.17	<0.16	<0.16	<0.16	<0.15	<0.17	<0.16	<0.15
Indeno(1,2,3-cd)pyrene	mg/kg	2.4	0.24	1.9	0.39	0.4	<0.17	0.18	0.23

TABLE 1
MAIN SITE AND UTILTIES STOCKPIL SOIL ANALTICAL RESULTS
Wynn Boston Harbor
1 Horizon Way
Everett, Massachusetts

Analyte	Sample ID	HWAY_WM_51	MBTA_WM_51	MBTA_WM_52	MBTA WEST WM STOCKPILE 52	MBTA WEST WM STOCKPILE 51	UTILITY SPOILS STOCKPILE (NORTH)	UTILITY SPOILS STOCKPILE (SOUTH)	ELECTRIC VAULT
	Laboratory Work Order	L1704149/L1704506	L1704149	L1704149/L1704506	L1707345/L1707679	L1707345/L1707679	L1718412/L1719010	L1718412/L1719010	L1725185/L1725632
	Sampling Date	2/8/2017	2/8/2017	2/8/2017	3/9/2017	3/9/2017	6/5/2017	6/5/2017	7/21/2017
Isophorone	mg/kg	<0.19	<0.18	<0.17	<0.18	<0.17	<0.19	<0.18	<0.17
Naphthalene	mg/kg	0.94	<0.2	<0.19	<0.2	<0.19	<0.22	<0.2	<0.19
Nitrobenzene	mg/kg	<0.19	<0.18	<0.17	<0.18	<0.17	<0.19	<0.18	<0.17
Pentachlorophenol	mg/kg	<0.43	<0.41	<0.39	<0.39	<0.38	<0.43	<0.4	<0.38
Phenanthrene	mg/kg	6.3	0.29	15	0.87	0.88	0.34	0.4	0.59
Phenol	mg/kg	<0.22	<0.2	<0.19	<0.2	<0.19	<0.22	<0.2	<0.19
Pyrene	mg/kg	10	0.68	14	1.2	1.4	0.43	0.48	0.68
Pyridine	mg/kg	<0.23	<0.22	<0.21	<0.21	<0.2	<0.23	<0.22	<0.2
Total SVOCs	mg/kg	58.51	4.07	66.06	7.57	8.81	2.21	3.36	4.26
Classic Chemistry									
Corrosivity (pH)	SU	6.2	6.8	8.3	7.2	8	7.3	5.4	7.4
Conductivity	umhos/cm	490	170	44	310	81	560	730	620
Flashpoint	deg f	>150	>150	>150	>150	>150	>150	>150	>150
Ignitability	none	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.
Reactive Cyanide	mg/kg	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Reactive Sulfide	mg/kg	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

Notes:

1. Samples in which detected concentrations of a total metals exceeded 20 times the corresponding TCLP regulatory concentration were run for TCLP by EPA method 1311.
2. A < sign indicates that a concentration was below the laboratory reporting limit. A -- indicates that a sample was not analyzed for the corresponding compound.

TABLE 2

MAIN SITE UTITLITIES STOCKPILE DELINEATION
Wynn Boston Harbor
1 Horizon Way
Everett, Massachusetts

Analyte	Sample ID	FUEL TANK SB1, SB3, SB4 (NORTH)	FUEL TANK SB1, SB3, SB4 (SOUTH)	FUEL TANK DELINEATION	UTILITY SPOIL SP TCLP	FUEL TANK SUPPLEMENTAL WEST	FUEL TANK SUPPLEMENTAL EAST	UTILITY STOCKPILE SUPPLEMENTAL WEST	UTILITY STOCKPILE SUPPLEMENTAL EAST
	Laboratory Work Order	L1719073	L1719073	L1720089	L1719640	L1721771	L1721771	L1721771	L1721771
	Sampling Date	6/8/2017	6/8/2017	6/12/2017	6/13/2017	6/27/2017	6/27/2017	6/27/2017	6/27/2017
Metals by Toxicity Characteristic Leaching Procedure (TCLP)									
Lead, TCLP	mg/l	65.9	1.25	1.84	3.26	1.62	0.83	< 0.500	1.79

Notes:
1. "<" indicates not detected above the laboratory reporting limit shown to the right

TABLE 3
PRECHARACTERIZATION CELL SOIL AND ALNALYTICAL RESULTS

Wynn Boston Harbor
1 Horizon Way
Everett, Massachusetts

Analyte	Precharacterization Cell Sample ID Laboratory Work Order Depth Interval (ft.) Sampling Date	DL-1 DL_1 L1716611/L1715945 5/16/2017	DL-2 DL_2 L1715945 5/16/2017	DL-3 DL_3 L1715945 5/16/2017	DL-4 DL_4 L1716611/L1715945 5/16/2017
Total Metals	**Units**				
Antimony	mg/kg	< 4.08	< 4.47	< 2.13	8.44
Arsenic	mg/kg	176	23.8	6.1	128
Barium	mg/kg	126	28.8	17.6	102
Beryllium	mg/kg	< 0.408	0.464	< 0.213	0.547
Cadmium	mg/kg	41.6	< 0.893	< 0.426	4.1
Chromium	mg/kg	21.7	19.8	7.93	21.2
Lead	mg/kg	1560	78.2	42.3	1620
Mercury	mg/kg	0.887	0.962	0.302	8.22
Nickel	mg/kg	15.7	13.7	4.22	22.7
Selenium	mg/kg	6.19	< 4.47	< 2.13	6.31
Silver	mg/kg	14.2	< 0.893	< 0.426	4.02
Thallium	mg/kg	< 4.08	< 4.47	< 2.13	3.88
Vanadium	mg/kg	12.9	25.5	5.69	31
Zinc	mg/kg	13200	603	126	1150
Metals by Toxicity Characteristic Leaching Procedure (TCLP)					
Arsenic, TCLP	mg/l	< 1.00	--	--	< 1.00
Cadmium, TCLP	mg/l	< 0.100	--	--	--
Lead, TCLP	mg/l	1.37	--	--	7.68
Mercury, TCLP	mg/l	--	--	--	< 0.0010
Herbicides					
2,4,5-T	mg/kg	<0.07	<0.078	<0.036	<0.041
2,4,5-TP (Silvex)	mg/kg	<0.07	<0.078	<0.036	<0.041
2,4-D	mg/kg	<0.07	<0.078	<0.036	<0.041
2,4-DB	mg/kg	<0.07	<0.078	<0.036	<0.041
Dalapon	mg/kg	<0.07	<0.078	<0.036	<0.041
Dicamba	mg/kg	<0.07	<0.078	<0.036	<0.041
Dichlorprop	mg/kg	<0.07	<0.078	<0.036	<0.041
Dinoseb	mg/kg	<0.07	<0.078	<0.036	<0.041
MCPA	mg/kg	<7	<7.8	<3.6	<4.1
MCPP	mg/kg	<7	<7.8	<3.6	<4.1
Total Herbicides	mg/kg	ND	ND	ND	ND
Pesticides					
4,4'-DDD	mg/kg	<0.0163	<0.0185	<0.00837	<0.0096
4,4'-DDE	mg/kg	<0.0163	<0.0185	<0.00837	<0.0096
4,4'-DDT	mg/kg	<0.0306	<0.0346	<0.0157	<0.018
Aldrin	mg/kg	<0.0163	<0.0185	<0.00837	<0.0096
alpha-BHC	mg/kg	<0.00681	<0.0077	<0.00349	<0.004
beta-BHC	mg/kg	<0.0163	<0.0185	<0.00837	<0.0096
Chlordane	mg/kg	<0.133	<0.15	<0.068	<0.078
delta-BHC	mg/kg	<0.0163	<0.0185	<0.00837	<0.0096
Dieldrin	mg/kg	<0.0102	<0.0116	<0.00523	<0.006
Endosulfan I	mg/kg	<0.0163	<0.0185	<0.00837	<0.0096
Endosulfan II	mg/kg	<0.0163	<0.0185	<0.00837	<0.0096
Endosulfan sulfate	mg/kg	<0.00681	<0.0077	<0.00349	<0.004
Endrin	mg/kg	<0.00681	<0.0077	<0.00349	<0.004
Endrin ketone	mg/kg	<0.0163	<0.0185	<0.00837	<0.0096
Heptachlor	mg/kg	<0.00817	<0.00924	<0.00418	<0.0048
Heptachlor epoxide	mg/kg	<0.0306	<0.0346	<0.0157	<0.018
Hexachlorobenzene	mg/kg	<0.0163	<0.0185	<0.00837	<0.0096
Lindane	mg/kg	<0.00545	<0.00616	<0.00279	<0.0032
Methoxychlor	mg/kg	<0.0306	<0.0346	<0.0157	<0.018
Toxaphene	mg/kg	<0.306	<0.346	<0.157	<0.18
Total Pesticides	mg/kg	ND	ND	ND	ND
Polychlorinated Biphenyls					
Aroclor 1016	mg/kg	<0.068	<0.0761	<0.0349	<0.0398
Aroclor 1221	mg/kg	<0.068	<0.0761	<0.0349	<0.0398
Aroclor 1232	mg/kg	<0.068	<0.0761	<0.0349	<0.0398
Aroclor 1242	mg/kg	<0.068	<0.0761	<0.0349	<0.0398
Aroclor 1248	mg/kg	<0.068	<0.0761	<0.0349	0.537
Aroclor 1254	mg/kg	<0.068	<0.0761	0.127	0.277
Aroclor 1260	mg/kg	<0.068	<0.0761	<0.0349	0.0553

TABLE 3
PRECHARACTIZATION CELL SOIL AND ALNALYTICAL RESULTS
Wynn Boston Harbor
1 Horizon Way
Everett, Massachusetts

Analyte	Precharacterization Cell Sample ID Laboratory Work Order Depth Interval (ft.) Sampling Date	DL-1 DL_1 L1716611/L1715945 5/16/2017	DL-2 DL_2 L1715945 5/16/2017	DL-3 DL_3 L1715945 5/16/2017	DL-4 DL_4 L1716611/L1715945 5/16/2017
Aroclor 1262	mg/kg	<0.068	<0.0761	<0.0349	<0.0398
Aroclor 1268	mg/kg	<0.068	<0.0761	<0.0349	<0.0398
Total PCBs	mg/kg	ND	ND	0.127	0.8693
Total Petroleum Hydrocarbons	mg/kg	338	188	<36.1	73
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	mg/kg	<0.0017	<0.0018	<0.00069	<0.00078
1,1,1-Trichloroethane	mg/kg	<0.0017	<0.0018	<0.00069	<0.00078
1,1,2,2-Tetrachloroethane	mg/kg	<0.0017	<0.0018	<0.00069	<0.00078
1,1,2-Trichloroethane	mg/kg	<0.0026	<0.0027	<0.001	<0.0012
1,1-Dichloroethane	mg/kg	<0.0026	<0.0027	<0.001	<0.0012
1,1-Dichloroethene	mg/kg	<0.0017	<0.0018	<0.00069	<0.00078
1,1-Dichloropropene	mg/kg	<0.0068	<0.0071	<0.0028	<0.0031
1,2,3-Trichlorobenzene	mg/kg	<0.0068	<0.0071	<0.0028	<0.0031
1,2,3-Trichloropropane	mg/kg	<0.0068	<0.0071	<0.0028	<0.0031
1,2,4-Trichlorobenzene	mg/kg	<0.0068	<0.0071	<0.0028	<0.0031
1,2,4-Trimethylbenzene	mg/kg	<0.0068	<0.0071	<0.0028	<0.0031
1,2-Dibromo-3-chloropropane	mg/kg	<0.0068	<0.0071	<0.0028	<0.0031
1,2-Dibromoethane	mg/kg	<0.0068	<0.0071	<0.0028	<0.0031
1,2-Dichlorobenzene	mg/kg	<0.0068	<0.0071	<0.0028	<0.0031
1,2-Dichloroethane	mg/kg	<0.0017	<0.0018	<0.00069	<0.00078
1,2-Dichloropropane	mg/kg	<0.006	<0.0062	<0.0024	<0.0027
1,3,5-Trimethylbenzene	mg/kg	<0.0068	<0.0071	<0.0028	<0.0031
1,3-Dichlorobenzene	mg/kg	<0.0068	<0.0071	<0.0028	<0.0031
1,3-Dichloropropane	mg/kg	<0.0068	<0.0071	<0.0028	<0.0031
1,4-Dichlorobenzene	mg/kg	<0.0068	<0.0071	<0.0028	<0.0031
1,4-Dioxane	mg/kg	<0.068	<0.071	<0.028	<0.031
2,2-Dichloropropane	mg/kg	<0.0085	<0.0089	<0.0034	<0.0039
2-Butanone	mg/kg	<0.017	<0.018	<0.0069	<0.0078
2-Hexanone	mg/kg	<0.017	<0.018	<0.0069	<0.0078
4-Methyl-2-pentanone	mg/kg	<0.017	<0.018	<0.0069	<0.0078
Acetone	mg/kg	0.07	<0.064	<0.025	<0.028
Benzene	mg/kg	<0.0017	<0.0018	<0.00069	<0.00078
Bromobenzene	mg/kg	<0.0085	<0.0089	<0.0034	<0.0039
Bromochloromethane	mg/kg	<0.0068	<0.0071	<0.0028	<0.0031
Bromodichloromethane	mg/kg	<0.0017	<0.0018	<0.00069	<0.00078
Bromoform	mg/kg	<0.0068	<0.0071	<0.0028	<0.0031
Bromomethane	mg/kg	<0.0034	<0.0036	<0.0014	<0.0016
Carbon disulfide	mg/kg	<0.0068	<0.0071	<0.0028	<0.0031
Carbon tetrachloride	mg/kg	<0.0017	<0.0018	<0.00069	<0.00078
Chlorobenzene	mg/kg	<0.0017	<0.0018	<0.00069	<0.00078
Chloroethane	mg/kg	<0.0034	<0.0036	<0.0014	<0.0016
Chloroform	mg/kg	<0.0026	<0.0027	<0.001	<0.0012
Chloromethane	mg/kg	<0.0068	<0.0071	<0.0028	<0.0031
cis-1,2-Dichloroethene	mg/kg	<0.0017	<0.0018	<0.00069	<0.00078
cis-1,3-Dichloropropene	mg/kg	<0.0017	<0.0018	<0.00069	<0.00078
Dibromochloromethane	mg/kg	<0.0017	<0.0018	<0.00069	<0.00078
Dibromomethane	mg/kg	<0.0068	<0.0071	<0.0028	<0.0031
Dichlorodifluoromethane	mg/kg	<0.017	<0.018	<0.0069	<0.0078
Diethyl ether	mg/kg	<0.0085	<0.0089	<0.0034	<0.0039
Di-isopropyl ether	mg/kg	<0.0068	<0.0071	<0.0028	<0.0031
Ethyl tertiary-butyl ether	mg/kg	<0.0068	<0.0071	<0.0028	<0.0031
Ethylbenzene	mg/kg	<0.0017	<0.0018	<0.00069	<0.00078
Hexachlorobutadiene	mg/kg	<0.0068	<0.0071	<0.0028	<0.0031
Isopropylbenzene	mg/kg	<0.0017	<0.0018	<0.00069	<0.00078
Methyl tert-butyl ether	mg/kg	<0.0034	<0.0036	<0.0014	<0.0016
Methylene chloride	mg/kg	<0.017	<0.018	<0.0069	<0.0078
Naphthalene	mg/kg	<0.0068	<0.0071	<0.0028	<0.0031
n-Butylbenzene	mg/kg	<0.0017	<0.0018	<0.00069	<0.00078
n-Propylbenzene	mg/kg	<0.0017	<0.0018	<0.00069	<0.00078
o-Chlorotoluene	mg/kg	<0.0068	<0.0071	<0.0028	<0.0031
o-Xylene	mg/kg	<0.0034	<0.0036	<0.0014	<0.0016
p/m-Xylenes	mg/kg	<0.0034	<0.0036	<0.0014	<0.0016
p-Chlorotoluene	mg/kg	<0.0068	<0.0071	<0.0028	<0.0031

TABLE 3

PRECHARACTIZATION CELL SOIL AND ALNALYTICAL RESULTS

Wynn Boston Harbor
1 Horizon Way
Everett, Massachusetts

Analyte	Precharacterization Cell Sample ID Laboratory Work Order Depth Interval (ft.) Sampling Date	DL-1 DL_1 L1716611/L1715945 5/16/2017	DL-2 DL_2 L1715945 5/16/2017	DL-3 DL_3 L1715945 5/16/2017	DL-4 DL_4 L1716611/L1715945 5/16/2017
p-Isopropyltoluene	mg/kg	<0.0017	<0.0018	<0.00069	<0.00078
sec-Butylbenzene	mg/kg	<0.0017	<0.0018	<0.00069	<0.00078
Styrene	mg/kg	<0.0034	<0.0036	<0.0014	<0.0016
Tert-amyl methyl ether	mg/kg	<0.0068	<0.0071	<0.0028	<0.0031
Tert-Butylbenzene	mg/kg	<0.0068	<0.0071	<0.0028	<0.0031
Tetrachloroethene	mg/kg	<0.0017	<0.0018	<0.00069	<0.00078
Tetrahydrofuran	mg/kg	<0.0068	<0.0071	<0.0028	<0.0031
Toluene	mg/kg	<0.0026	<0.0027	<0.001	<0.0012
trans-1,2-Dichloroethene	mg/kg	<0.0026	<0.0027	<0.001	<0.0012
trans-1,3-Dichloropropene	mg/kg	<0.0017	<0.0018	<0.00069	<0.00078
Trichloroethene	mg/kg	<0.0017	<0.0018	<0.00069	<0.00078
Trichlorofluoromethane	mg/kg	<0.0068	<0.0071	<0.0028	<0.0031
Vinyl chloride	mg/kg	<0.0034	<0.0036	<0.0014	<0.0016
Xylenes, Total	mg/kg	<0.0034	<0.0036	<0.0014	<0.0016
Total VOCs	mg/kg	0.07	ND	ND	ND
Semi-Volatile Organic Compounds					
1,2,4-Trichlorobenzene	mg/kg	<0.36	<0.38	<0.18	<0.2
1,2-Dichlorobenzene	mg/kg	<0.36	<0.38	<0.18	<0.2
1,3-Dichlorobenzene	mg/kg	<0.36	<0.38	<0.18	<0.2
1,4-Dichlorobenzene	mg/kg	<0.36	<0.38	<0.18	<0.2
2,4,5-Trichlorophenol	mg/kg	<0.36	<0.38	<0.18	<0.2
2,4,6-Trichlorophenol	mg/kg	<0.21	<0.23	<0.11	<0.12
2,4-Dichlorophenol	mg/kg	<0.32	<0.34	<0.16	<0.18
2,4-Dimethylphenol	mg/kg	<0.36	<0.38	<0.18	<0.2
2,4-Dinitrophenol	mg/kg	<1.7	<1.8	<0.87	<0.96
2,4-Dinitrotoluene	mg/kg	<0.36	<0.38	<0.18	<0.2
2,6-Dinitrotoluene	mg/kg	<0.36	<0.38	<0.18	<0.2
2-Chloronaphthalene	mg/kg	<0.36	<0.38	<0.18	<0.2
2-Chlorophenol	mg/kg	<0.36	<0.38	<0.18	<0.2
2-Methylnaphthalene	mg/kg	<0.43	<0.46	<0.22	<0.24
2-Methylphenol	mg/kg	<0.36	<0.38	<0.18	<0.2
2-Nitrophenol	mg/kg	<0.77	<0.82	<0.39	<0.43
3,3'-Dichlorobenzidine	mg/kg	<0.36	<0.38	<0.18	<0.2
3-Methylphenol/4-Methylphenol	mg/kg	<0.51	<0.55	<0.26	<0.29
4-Bromophenyl phenyl ether	mg/kg	<0.36	<0.38	<0.18	<0.2
4-Chloroaniline	mg/kg	<0.36	<0.38	<0.18	<0.2
4-Nitrophenol	mg/kg	<0.5	<0.53	<0.25	<0.28
Acenaphthene	mg/kg	0.55	<0.3	<0.14	<0.16
Acenaphthylene	mg/kg	0.72	<0.3	<0.14	<0.16
Acetophenone	mg/kg	<0.36	<0.38	<0.18	<0.2
Aniline	mg/kg	<0.43	<0.46	<0.22	<0.24
Anthracene	mg/kg	3.7	0.51	<0.11	0.24
Azobenzene	mg/kg	<0.36	<0.38	<0.18	<0.2
Benzo(a)anthracene	mg/kg	6.2	0.38	0.13	0.59
Benzo(a)pyrene	mg/kg	5.4	0.36	<0.14	0.51
Benzo(b)fluoranthene	mg/kg	6.2	0.4	0.16	0.74
Benzo(ghi)perylene	mg/kg	2.5	<0.3	<0.14	0.27
Benzo(k)fluoranthene	mg/kg	2.2	<0.23	<0.11	0.21
Bis(2-chloroethoxy)methane	mg/kg	<0.38	<0.41	<0.2	<0.22
Bis(2-chloroethyl)ether	mg/kg	<0.32	<0.34	<0.16	<0.18
Bis(2-chloroisopropyl)ether	mg/kg	<0.43	<0.46	<0.22	<0.24
Bis(2-ethylhexyl)phthalate	mg/kg	1.4	<0.38	<0.18	<0.2
Butyl benzyl phthalate	mg/kg	<0.36	<0.38	<0.18	<0.2
Chrysene	mg/kg	5.6	0.39	0.13	0.61
Dibenzo(a,h)anthracene	mg/kg	0.66	<0.23	<0.11	<0.12
Dibenzofuran	mg/kg	0.54	0.44	<0.18	<0.2
Diethyl phthalate	mg/kg	<0.36	<0.38	<0.18	<0.2
Dimethylphthalate	mg/kg	<0.36	<0.38	<0.18	<0.2
Di-n-butylphthalate	mg/kg	<0.36	<0.38	<0.18	<0.2
Di-n-octyl phthalate	mg/kg	<0.36	<0.38	<0.18	<0.2
Fluoranthene	mg/kg	12	1.1	0.23	1.1
Fluorene	mg/kg	0.94	0.5	<0.18	<0.2
Hexachlorobenzene	mg/kg	<0.21	<0.23	<0.11	<0.12

TABLE 3
PRECHARACTIZATION CELL SOIL AND ALNALYTICAL RESULTS
Wynn Boston Harbor
1 Horizon Way
Everett, Massachusetts

Analyte	Precharacterization Cell	DL-1	DL-2	DL-3	DL-4
	Sample ID	DL_1	DL_2	DL_3	DL_4
	Laboratory Work Order	L1716611/L1715945	L1715945	L1715945	L1716611/L1715945
	Depth Interval (ft.)				
	Sampling Date	5/16/2017	5/16/2017	5/16/2017	5/16/2017
Hexachlorobutadiene	mg/kg	<0.36	<0.38	<0.18	<0.2
Hexachloroethane	mg/kg	<0.28	<0.3	<0.14	<0.16
Indeno(1,2,3-cd)pyrene	mg/kg	2.9	<0.3	<0.14	0.3
Isophorone	mg/kg	<0.32	<0.34	<0.16	<0.18
Naphthalene	mg/kg	1.3	<0.38	<0.18	0.21
Nitrobenzene	mg/kg	<0.32	<0.34	<0.16	<0.18
Pentachlorophenol	mg/kg	<0.71	<0.76	<0.36	<0.4
Phenanthrene	mg/kg	9.2	1.9	0.14	0.76
Phenol	mg/kg	<0.36	<0.38	<0.18	<0.2
Pyrene	mg/kg	11	0.9	0.2	1.1
Pyridine	mg/kg	<0.38	<0.41	<0.2	<0.22
Total SVOCs	mg/kg	73.01	6.88	0.99	6.64
Classic Chemistry					
Corrosivity (pH)	SU	7.2	7	7.6	7.1
Conductivity	umhos/cm	130	1200	110	420
Flashpoint	deg f	>150	>150	>150	>150
Ignitability	none	N.I.	N.I.	N.I.	N.I.
Reactive Cyanide	mg/kg	< 10	< 10	< 10	< 10
Reactive Sulfide	mg/kg	< 10	< 10	< 10	< 10

Notes:

1. Samples in which detected concentrations of a total metals exceeded 20 times the corresponding TCLP regulatory concentration were run for TCLP by EPA method 1311.
2. A < sign indicates that a concentration was below the laboratory reporting limit. A -- indicates that a sample was not analyzed for the corresponding compound.

TABLE 4
PRECHARACTERIZATION GRID COMPANION CELL RESULTS
Wynn Boston Harbor
1 Horizon Way
Everett, Massachusetts

Analyte	**Sample Location**	**G-K 20/G19**	**G-K 20/H19**	**G-K 20/I19**	**G-K 20/J19**	**K19/L18**
	Sample ID	**(3.3-6.6)**	**(3.3-6.6)**	**(3.3-6.6)**	**(3.3-6.6)**	**(3.3-6.6)**
	Laboratory Work Order	**L1719460**	**L1719460**	**L1719460**	**L1719460**	**L1719460**
	Depth Interval (ft.)	**3.3-6.6**	**3.3-6.6**	**3.3-6.6**	**3.3-6.6**	**3.3-6.6**
	Sampling Date	**6/12/2017**	**6/12/2017**	**6/12/2017**	**6/12/2017**	**6/12/2017**
Metals by Toxicity Characteristic Leaching Procedure (TCLP)						
Lead, TCLP	mg/l	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500

Notes:
1. "<" indicates not detected above the laboratory report limit shown to the right

TABLE 5
MARINE STOCKPILE SOIL ANALYTICAL RESULTS
Wynn Boston Harboer
1 Horizon Way
Everett, Massachusetts

Analyte	Sample ID	SHORELINE STOCKPILE-4A	SHORELINE STOCKPILE-4B	SHORELINE STOCKPILE-4C	SHORELINE STOCKPILE-4D	SHORELINE STOCKPILE-4E	SHORELINE STOCKPILE-4F	SHORELINE STOCKPILE-2A	SHORELINE STOCKPILE-2B	SHORELINE STOCKPILE-2C	SHORELINE STOCKPILE-2D	SHORELINE STOCKPILE-2E	SHORELINE STOCKPILE #7A	SHORELINE STOCKPILE #7B
	Laboratory Work Order	L1703751/L1704204	L1703751/L1704204	L1703751/L1704204	L1703751/L1704204	L1703751/L1704204	L1703751/L1704204	L1704558/L1705216	L1704558	L1704558	L1704558/L1705216	L1704558	L1712318/L1712815	L1712318
	Sampling Date	2/6/2017	2/6/2017	2/6/2017	2/6/2017	2/6/2017	2/6/2017	2/14/2017	2/14/2017	2/14/2017	2/14/2017	2/14/2017	4/19/2017	4/19/2017
Total Metals	Units													
Antimony	mg/kg	4.6	5.7	7.3	5.3	5.1	7.5	5.1	< 2.9	< 2.7	< 2.9	< 3.0	5.4	< 2.4
Arsenic	mg/kg	180	150	230	180	200	180	160	52	47	69	40	56	20
Barium	mg/kg	39	42	38	42	36	39	31	21	23	26	23	65	50
Beryllium	mg/kg	< 0.25	< 0.26	< 0.24	< 0.25	< 0.25	< 0.26	< 0.26	< 0.29	< 0.27	< 0.29	< 0.30	0.28	0.31
Cadmium	mg/kg	0.63	0.7	1.1	0.72	0.66	0.63	0.68	< 0.59	< 0.54	< 0.59	< 0.59	0.46	< 0.48
Chromium	mg/kg	22	23	24	23	25	31	24	21	19	18	27	17	24
Lead	mg/kg	170	260	200	180	160	190	190	64	82	130	77	300	84
Mercury	mg/kg	0.819	1.28	1.33	1.26	1.3	1.95	1.22	0.448	0.786	0.726	0.742	1.01	0.257
Nickel	mg/kg	14	13	10	14	13	15	13	11	12	11	14	10	16
Selenium	mg/kg	4.5	4	5.9	3.9	4	5	3.5	< 2.9	< 2.7	< 2.9	< 3.0	2.8	< 2.4
Silver	mg/kg	0.6	1.4	2.2	1.2	0.78	1	1.7	< 0.59	< 0.54	< 0.59	< 0.59	< 0.45	< 0.48
Thallium	mg/kg	< 2.5	< 2.6	< 2.4	< 2.5	< 2.5	< 2.6	< 2.6	< 2.9	< 2.7	< 2.9	< 3.0	< 2.2	< 2.4
Vanadium	mg/kg	44	28	33	30	31	33	26	24	26	28	35	21	29
Zinc	mg/kg	140	130	180	130	120	130	170	77	79	92	88	170	77
Metals by Toxicity Characteristic Leaching Procedure (TCLP)														
Arsenic, TCLP	mg/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	--	--	--	--	--
Lead, TCLP	mg/l	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	--	--	< 0.50	--	< 0.50	--
Mercury, TCLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium, TCLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--
Herbicides														
2,4,5-T	mg/kg	<0.83	<0.87	<0.81	<0.84	<0.84	<0.86	<0.91	<0.98	<0.93	<1	<1	<0.038	<0.042
2,4,5-TP (Silvex)	mg/kg	<0.83	<0.87	<0.81	<0.84	<0.84	<0.86	<0.91	<0.98	<0.93	<1	<1	<0.038	<0.042
2,4-D	mg/kg	<0.83	<0.87	<0.81	<0.84	<0.84	<0.86	<0.91	<0.98	<0.93	<1	<1	<0.038	<0.042
2,4-DB	mg/kg	<0.83	<0.87	<0.81	<0.84	<0.84	<0.86	<0.91	<0.98	<0.93	<1	<1	<0.038	<0.042
Dalapon	mg/kg	<0.83	<0.87	<0.81	<0.84	<0.84	<0.86	<0.91	<0.98	<0.93	<1	<1	<0.038	<0.042
Dicamba	mg/kg	<0.83	<0.87	<0.81	<0.84	<0.84	<0.86	<0.91	<0.98	<0.93	<1	<1	<0.038	<0.042
Dichlorprop	mg/kg	<0.83	<0.87	<0.81	<0.84	<0.84	<0.86	<0.91	<0.98	<0.93	<1	<1	<0.038	<0.042
Dinoseb	mg/kg	<0.83	<0.87	<0.81	<0.84	<0.84	<0.86	<0.91	<0.98	<0.93	<1	<1	<0.038	<0.042
MCPA	mg/kg	<83	<87	<81	<84	<84	<86	<91	<98	<93	<100	<100	<3.8	<4.2
MCPP	mg/kg	<83	<87	<81	<84	<84	<86	<91	<98	<93	<100	<100	<3.8	<4.2
Total Herbicides	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides														
4,4'-DDD	mg/kg	<0.0476	<0.0106	<0.0094	<0.0491	<0.00993	<0.051	<0.0535	<0.059	<0.0552	<0.0587	<0.0593	<0.00893	<0.00993
4,4'-DDE	mg/kg	<0.0476	<0.0106	<0.0094	<0.0491	<0.00993	<0.051	<0.0535	<0.059	<0.0552	<0.0587	<0.0593	<0.00893	<0.00993
4,4'-DDT	mg/kg	<0.0893	<0.0198	<0.0176	<0.0921	<0.0186	<0.0956	<0.1	<0.111	<0.104	<0.11	<0.111	<0.0168	<0.0186
Aldrin	mg/kg	<0.0476	<0.0106	<0.0094	<0.0491	<0.00993	<0.051	<0.0535	<0.059	<0.0552	<0.0587	<0.0593	<0.00893	<0.00993
alpha-BHC	mg/kg	<0.0198	<0.00441	<0.00391	<0.0205	<0.00414	<0.0212	<0.0223	<0.0246	<0.023	<0.0245	<0.0247	<0.00372	<0.00414
beta-BHC	mg/kg	<0.0476	<0.0106	<0.0094	<0.0491	<0.00993	<0.051	<0.0535	<0.059	<0.0552	<0.0587	<0.0593	<0.00893	<0.00993
Chlordane	mg/kg	<0.387	<0.0859	<0.0763	<0.399	<0.0806	<0.414	<0.434	<0.479	<0.449	<0.477	<0.482	<0.0726	<0.0807
delta-BHC	mg/kg	<0.0476	<0.0106	<0.0094	<0.0491	<0.00993	<0.051	<0.0535	<0.059	<0.0552	<0.0587	<0.0593	<0.00893	<0.00993
Dieldrin	mg/kg	<0.0298	<0.00661	<0.00587	<0.0307	<0.0062	<0.0318	<0.0334	<0.0369	<0.0345	<0.0367	<0.0371	<0.00558	<0.0062
Endosulfan I	mg/kg	<0.0476	<0.0106	<0.0094	<0.0491	<0.00993	<0.051	<0.0535	<0.059	<0.0552	<0.0587	<0.0593	<0.00893	<0.00993
Endosulfan II	mg/kg	<0.0476	<0.0106	<0.0094	<0.0491	<0.00993	<0.051	<0.0535	<0.059	<0.0552	<0.0587	<0.0593	<0.00893	<0.00993
Endosulfan sulfate	mg/kg	<0.0198	<0.00441	<0.00391	<0.0205	<0.00414	<0.0212	<0.0223	<0.0246	<0.023	<0.0245	<0.0247	<0.00372	<0.00414
Endrin	mg/kg	<0.0198	<0.00441	<0.00391	<0.0205	<0.00414	<0.0212	<0.0223	<0.0246	<0.023	<0.0245	<0.0247	<0.00372	<0.00414
Endrin ketone	mg/kg	<0.0476	<0.0106	<0.0094	<0.0491	<0.00993	<0.051	<0.0535	<0.059	<0.0552	<0.0587	<0.0593	<0.00893	<0.00993
Heptachlor	mg/kg	<0.0238	<0.00529	<0.0047	<0.0246	<0.00496	<0.0255	<0.0267	<0.0295	<0.0276	<0.0294	<0.0296	<0.00447	<0.00496
Heptachlor epoxide	mg/kg	<0.0893	<0.0198	<0.0176	<0.0921	<0.0186	<0.0956	<0.1	<0.111	<0.104	<0.11	<0.111	<0.0168	<0.0186
Hexachlorobenzene	mg/kg	<0.0476	<0.0106	<0.0094	<0.0491	<0.00993	<0.051	<0.0535	<0.059	<0.0552	<0.0587	<0.0593	<0.00893	<0.00993
Lindane	mg/kg	<0.0159	<0.00352	<0.00313	<0.0164	<0.00331	<0.017	<0.0178	<0.0197	<0.0184	<0.0196	<0.0198	<0.00298	<0.00331
Methoxychlor	mg/kg	<0.0893	<0.0198	<0.0176	<0.0921	<0.0186	<0.0956	<0.1	<0.111	<0.104	<0.11	<0.111	<0.0168	<0.0186
Toxaphene	mg/kg	<0.893	<0.198	<0.176	<0.921	<0.186	<0.956	<1	<1.11	<1.04	<1.1	<1.11	<0.168	<0.186
Total Pesticides	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Polychlorinated Biphenyls														
Aroclor 1016	mg/kg	<0.0404	<0.044	<0.0399	<0.0423	<0.0404	<0.043	<0.0444	<0.0477	<0.0462	<0.0496	<0.0505	<0.0374	<0.042
Aroclor 1221	mg/kg	<0.0404	<0.044	<0.0399	<0.0423	<0.0404	<0.043	<0.0444	<0.0477	<0.0462	<0.0496	<0.0505	<0.0374	<0.042
Aroclor 1232	mg/kg	<0.0404	<0.044	<0.0399	<0.0423	<0.0404	<0.043	<0.0444	<0.0477	<0.0462	<0.0496	<0.0505	<0.0374	<0.042
Aroclor 1242	mg/kg	<0.0404	<0.044	<0.0399	<0.0423	<0.0404	<0.043	<0.0444	<0.0477	<0.0462	<0.0496	<0.0505	<0.0374	<0.042
Aroclor 1248	mg/kg	<0.0404	<0.044	<0.0399	<0.0423	<0.0404	<0.043	<0.0444	<0.0477	<0.0462	<0.0496	<0.0505	<0.0374	<0.042
Aroclor 1254	mg/kg	0.544	0.162	0.111	0.22	0.116	0.173	0.11	0.0871	0.0704	0.0518	<0.0505	0.115	0.0876
Aroclor 1260	mg/kg	0.241	0.236	0.0607	0.134	0.0966	0.0846	0.0611	0.049	<0.0462	<0.0496	<0.0505	0.0516	0.0612
Aroclor 1262	mg/kg	<0.0404	<0.044	<0.0399	<0.0423	<0.0404	<0.043	<0.0444	<0.0477	<0.0462	<0.0496	<0.0505	<0.0374	<0.042
Aroclor 1268	mg/kg	0.123	0.282	<0.0399	0.0939	0.087	0.0506	<0.0444	<0.0477	<0.0462	<0.0496	<0.0505	<0.0374	<0.042
Total PCBs	mg/kg	0.908	0.68	0.1717	0.4479	0.2996	0.3082	0.1711	0.1361	0.0704	0.0518	ND	0.1666	0.1488
Total Petroleum Hydrocarbons	mg/kg	209	104	191	206	123	98.9	66.6	125	<46.3	1130	<50.1	535	292
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	mg/kg	<0.00077	<0.00093	<0.039	<0.044	<0.00078	<0.00075	<0.058	<0.0006	<0.00072	<0.054	<0.07	<0.044	<0.062
1,1,1-Trichloroethane	mg/kg	<0.00077	<0.00093	<0.039	<0.044	<0.00078	<0.00075	<0.058	<0.0006	<0.00072	<0.054	<0.07	<0.044	<0.062
1,1,2,2-Tetrachloroethane	mg/kg	<0.00077	<0.00093	<0.039	<0.044	<0.00078	<0.00075	<0.058	<0.0006	<0.00072	<0.054	<0.07	<0.044	<0.062
1,1,2-Trichloroethane	mg/kg	<0.0012	<0.0014	<0.059	<0.066	<0.0012	<0.0011	<0.086	<0.0009	<0.0011	<0.08	<0.1	<0.066	<0.092
1,1-Dichloroethane	mg/kg	<0.0012	<0.0014	<0.059	<0.066	<0.0012	<0.0011	<0.086	<0.0009	<0.0011	<0.08	<0.1	<0.066	<0.092
1,1-Dichloroethene	mg/kg	<0.00077	<0.00093	<0.039	<0.044	<0.00078	<0.00075	<0.058	<0.0006	<0.00072	<0.054	<0.07	<0.044	<0.062
1,1-Dichloropropene	mg/kg	<0.0031	<0.0037	<0.16	<0.18	<0.0031	<0.003	<0.23	<0.0024	<0.0029	<0.21	<0.28	<0.18	<0.25
1,2,3-Trichlorobenzene	mg/kg	<0.0031	<0.0037	<0.16	<0.18	<0.0031	<0.003	<0.23	<0.0024	<0.0029	<0.21	<0.28	<0.18	<0.25
1,2,3-Trichloropropane	mg/kg	<0.0031	<0.0037	<0.16	<0.18	<0.0031	<0.003	<0.23	<0.0024	<0.0029	<0.21	<0.28	<0.18	<0.25
1,2,4-Trichlorobenzene	mg/kg	<0.0031	<0.0037	<0.16	<0.18	<0.0031	<0.003	<0.23	<0.0024	<0.0029	<0.21	<0.28	<0.18	<0.25
1,2,4-Trimethylbenzene	mg/kg	<0.0031	<0.0037	<0.16	<0.18	<0.0031	<0.003	<0.23	<0.0024	<0.0029	<0.21	<0.28	<0.18	<0.25
1,2-Dibromo-3-chloropropane	mg/kg	<0.0031	<0.0037	<0.16	<0.18	<0.0031	<0.003	<0.23	<0.0024	<0.0029	<0.21	<0.28	<0.18	<0.25
1,2-Dibromoethane	mg/kg	<0.0031	<0.0037	<0.16	<0.18	<0.0031	<0.003	<0.23	<0.0024	<0.0029	<0.21	<0.28	<0.18	<0.25

TABLE 5
MARINE STOCKPILE SOIL ANALYTICAL RESULTS
Wynn Boston Harboer
1 Horizon Way
Everett, Massachusetts

Analyte	Sample ID	SHORELINE STOCKPILE-4A	SHORELINE STOCKPILE-4B	SHORELINE STOCKPILE-4C	SHORELINE STOCKPILE-4D	SHORELINE STOCKPILE-4E	SHORELINE STOCKPILE-4F	SHORELINE STOCKPILE-2A	SHORELINE STOCKPILE-2B	SHORELINE STOCKPILE-2C	SHORELINE STOCKPILE-2D	SHORELINE STOCKPILE-2E	SHORELINE STOCKPILE #7A	SHORELINE STOCKPILE #7B
	Laboratory Work Order	L1703751/L1704204	L1703751/L1704204	L1703751/L1704204	L1703751/L1704204	L1703751/L1704204	L17037S1/L1704204	L1704SS8/L170S216	L17045S8	L17045S8	L1704SS8/L1705216	L1704SS8	L1712318/L171281S	L1712318
	Sampling Date	2/6/2017	2/6/2017	2/6/2017	2/6/2017	2/6/2017	2/6/2017	2/14/2017	2/14/2017	2/14/2017	2/14/2017	2/14/2017	4/19/2017	4/19/2017
1,2-Dichlorobenzene	mg/kg	<0.0031	<0.0037	<0.16	<0.18	<0.0031	<0.003	<0.23	<0.0024	<0.0029	<0.21	<0.28	<0.18	<0.25
1,2-Dichloroethane	mg/kg	<0.00077	<0.00093	<0.039	<0.044	<0.00078	<0.00075	<0.058	<0.0006	<0.00072	<0.054	<0.07	<0.044	<0.062
1,2-Dichloropropane	mg/kg	<0.0027	<0.0033	<0.14	<0.15	<0.0027	<0.0026	<0.2	<0.0021	<0.0025	<0.19	<0.24	<0.15	<0.22
1,3,5-Trimethylbenzene	mg/kg	<0.0031	<0.0037	<0.16	<0.18	<0.0031	<0.003	<0.23	<0.0024	<0.0029	<0.21	<0.28	<0.18	<0.25
1,3-Dichlorobenzene	mg/kg	<0.0031	<0.0037	<0.16	<0.18	<0.0031	<0.003	<0.23	<0.0024	<0.0029	<0.21	<0.28	<0.18	<0.25
1,3-Dichloropropane	mg/kg	<0.0031	<0.0037	<0.16	<0.18	<0.0031	<0.003	<0.23	<0.0024	<0.0029	<0.21	<0.28	<0.18	<0.25
1,4-Dichlorobenzene	mg/kg	<0.0031	<0.0037	<0.16	<0.18	<0.0031	<0.003	<0.23	<0.0024	<0.0029	<0.21	<0.28	<0.18	<0.25
1,4-Dioxane	mg/kg	<0.031	<0.037	<3.9	<4.4	<0.031	<0.03	<5.8	<0.024	<0.029	<5.4	<7	<1.8	<2.5
2,2-Dichloropropane	mg/kg	<0.0039	<0.0047	<0.2	<0.22	<0.0039	<0.0038	<0.29	<0.003	<0.0036	<0.27	<0.35	<0.22	<0.31
2-Butanone	mg/kg	<0.0077	0.017	<0.39	<0.44	<0.0078	<0.0075	<0.58	<0.006	<0.0072	<0.54	<0.7	<0.44	<0.62
2-Hexanone	mg/kg	<0.0077	<0.0093	<0.39	<0.44	<0.0078	<0.0075	<0.58	<0.006	<0.0072	<0.54	<0.7	<0.44	<0.62
4-Methyl-2-pentanone	mg/kg	<0.0077	<0.0093	<0.39	<0.44	<0.0078	<0.0075	<0.58	<0.006	<0.0072	<0.54	<0.7	<0.44	<0.62
Acetone	mg/kg	<0.028	0.13	<1.4	<1.6	0.031	<0.027	<2.1	<0.022	<0.026	<1.9	<2.5	<1.6	<2.2
Benzene	mg/kg	<0.00077	<0.00093	<0.039	<0.044	<0.00078	<0.00075	<0.058	<0.0006	<0.00072	<0.054	<0.07	<0.044	<0.062
Bromobenzene	mg/kg	<0.0039	<0.0047	<0.2	<0.22	<0.0039	<0.0038	<0.29	<0.003	<0.0036	<0.27	<0.35	<0.22	<0.31
Bromochloromethane	mg/kg	<0.0031	<0.0037	<0.16	<0.18	<0.0031	<0.003	<0.23	<0.0024	<0.0029	<0.21	<0.28	<0.18	<0.25
Bromodichloromethane	mg/kg	<0.00077	<0.00093	<0.039	<0.044	<0.00078	<0.00075	<0.058	<0.0006	<0.00072	<0.054	<0.07	<0.044	<0.062
Bromoform	mg/kg	<0.0031	<0.0037	<0.16	<0.18	<0.0031	<0.003	<0.23	<0.0024	<0.0029	<0.21	<0.28	<0.18	<0.25
Bromomethane	mg/kg	<0.0015	<0.0019	<0.078	<0.088	<0.0016	<0.0015	<0.12	<0.0012	<0.0014	<0.11	<0.14	<0.088	<0.12
Carbon disulfide	mg/kg	0.0087	0.016	<0.16	<0.18	0.0063	0.0033	0.91	<0.0024	<0.0029	0.86	0.73	<0.18	<0.25
Carbon tetrachloride	mg/kg	<0.00077	<0.00093	<0.039	<0.044	<0.00078	<0.00075	<0.058	<0.0006	<0.00072	<0.054	<0.07	<0.044	<0.062
Chlorobenzene	mg/kg	<0.00077	<0.00093	<0.039	<0.044	<0.00078	<0.00075	<0.058	<0.0006	<0.00072	<0.054	<0.07	0.09	0.11
Chloroethane	mg/kg	<0.0015	<0.0019	<0.078	<0.088	<0.0016	<0.0015	<0.12	<0.0012	<0.0014	<0.11	<0.14	<0.088	<0.12
Chloroform	mg/kg	<0.0012	<0.0014	<0.059	<0.066	<0.0012	<0.0011	<0.086	<0.0009	<0.0011	<0.08	<0.1	<0.066	<0.092
Chloromethane	mg/kg	<0.0031	<0.0037	<0.16	<0.18	<0.0031	<0.003	<0.23	<0.0024	<0.0029	<0.21	<0.28	<0.18	<0.25
cis-1,2-Dichloroethene	mg/kg	<0.00077	<0.00093	<0.039	<0.044	<0.00078	<0.00075	<0.058	<0.0006	<0.00072	<0.054	<0.07	<0.044	<0.062
cis-1,3-Dichloropropene	mg/kg	<0.00077	<0.00093	<0.039	<0.044	<0.00078	<0.00075	<0.058	<0.0006	<0.00072	<0.054	<0.07	<0.044	<0.062
Dibromochloromethane	mg/kg	<0.00077	<0.00093	<0.039	<0.044	<0.00078	<0.00075	<0.058	<0.0006	<0.00072	<0.054	<0.07	<0.044	<0.062
Dibromomethane	mg/kg	<0.0031	<0.0037	<0.16	<0.18	<0.0031	<0.003	<0.23	<0.0024	<0.0029	<0.21	<0.28	<0.18	<0.25
Dichlorodifluoromethane	mg/kg	<0.0077	<0.0093	<0.39	<0.44	<0.0078	<0.0075	<0.58	<0.006	<0.0072	<0.54	<0.7	<0.44	<0.62
Diethyl ether	mg/kg	<0.0039	<0.0047	<0.2	<0.22	<0.0039	<0.0038	<0.29	<0.003	<0.0036	<0.27	<0.35	<0.22	<0.31
Di-isopropyl ether	mg/kg	<0.0031	<0.0037	<0.16	<0.18	<0.0031	<0.003	<0.23	<0.0024	<0.0029	<0.21	<0.28	<0.18	<0.25
Ethyl tertiary-butyl ether	mg/kg	<0.0031	<0.0037	<0.16	<0.18	<0.0031	<0.003	<0.23	<0.0024	<0.0029	<0.21	<0.28	<0.18	<0.25
Ethylbenzene	mg/kg	0.001	0.0083	<0.039	<0.044	0.0025	0.0018	<0.058	<0.0006	<0.00072	<0.054	<0.07	<0.044	<0.062
Hexachlorobutadiene	mg/kg	<0.0031	<0.0037	<0.16	<0.18	<0.0031	<0.003	<0.23	<0.0024	<0.0029	<0.21	<0.28	<0.18	<0.25
Isopropylbenzene	mg/kg	<0.00077	<0.00093	<0.039	<0.044	<0.00078	<0.00075	<0.058	<0.0006	<0.00072	<0.054	<0.07	<0.044	<0.062
Methyl tert-butyl ether	mg/kg	<0.0015	<0.0019	<0.078	<0.088	<0.0016	<0.0015	<0.12	<0.0012	<0.0014	<0.11	<0.14	<0.088	<0.12
Methylene chloride	mg/kg	<0.0077	<0.0093	<0.39	<0.44	<0.0078	<0.0075	<0.58	<0.006	<0.0072	<0.54	<0.7	<0.44	<0.62
Naphthalene	mg/kg	0.055	0.047	1.2	1.3	0.087	0.0035	0.33	<0.0024	0.0035	<0.21	<0.28	0.82	0.47
n-Butylbenzene	mg/kg	<0.00077	<0.00093	<0.039	<0.044	<0.00078	<0.00075	<0.058	<0.0006	<0.00072	<0.054	<0.07	<0.044	<0.062
n-Propylbenzene	mg/kg	<0.00077	<0.00093	<0.039	<0.044	<0.00078	<0.00075	<0.058	<0.0006	<0.00072	<0.054	<0.07	<0.044	<0.062
o-Chlorotoluene	mg/kg	<0.0031	<0.0037	<0.16	<0.18	<0.0031	<0.003	<0.23	<0.0024	<0.0029	<0.21	<0.28	<0.18	<0.25
o-Xylene	mg/kg	0.0032	0.016	<0.078	<0.088	0.0072	0.0049	<0.12	<0.0012	<0.0014	<0.11	<0.14	<0.088	<0.12
p/m-Xylenes	mg/kg	0.0053	0.035	<0.078	<0.088	0.012	0.0091	<0.12	0.0015	<0.0014	<0.11	<0.14	<0.088	<0.12
p-Chlorotoluene	mg/kg	<0.0031	<0.0037	<0.16	<0.18	<0.0031	<0.003	<0.23	<0.0024	<0.0029	<0.21	<0.28	<0.18	<0.25
p-Isopropyltoluene	mg/kg	0.0032	0.01	0.042	0.056	0.0072	<0.00075	1.2	<0.0006	<0.00072	<0.054	<0.07	0.5	0.21
sec-Butylbenzene	mg/kg	<0.00077	<0.00093	<0.039	<0.044	<0.00078	<0.00075	<0.058	<0.0006	<0.00072	<0.054	<0.07	<0.044	<0.062
Styrene	mg/kg	<0.0015	<0.0019	<0.078	<0.088	<0.0016	<0.0015	<0.12	<0.0012	<0.0014	<0.11	<0.14	<0.088	<0.12
Tert-amyl methyl ether	mg/kg	<0.0031	<0.0037	<0.16	<0.18	<0.0031	<0.003	<0.23	<0.0024	<0.0029	<0.21	<0.28	<0.18	<0.25
Tert-Butylbenzene	mg/kg	<0.0031	<0.0037	<0.16	<0.18	<0.0031	<0.003	<0.23	<0.0024	<0.0029	<0.21	<0.28	<0.18	<0.25
Tetrachloroethene	mg/kg	<0.00077	<0.00093	<0.039	<0.044	<0.00078	<0.00075	<0.058	<0.0006	<0.00072	<0.054	<0.07	<0.044	<0.062
Tetrahydrofuran	mg/kg	<0.0031	<0.0037	<0.16	<0.18	<0.0031	<0.003	<0.23	<0.0024	<0.0029	<0.21	<0.28	<0.18	<0.25
Toluene	mg/kg	<0.0012	<0.0014	<0.059	<0.066	<0.0012	<0.0011	<0.086	<0.0009	<0.0011	<0.08	<0.1	<0.066	<0.092
trans-1,2-Dichloroethene	mg/kg	<0.0012	<0.0014	<0.059	<0.066	<0.0012	<0.0011	<0.086	<0.0009	<0.0011	<0.08	<0.1	<0.066	<0.092
trans-1,3-Dichloropropene	mg/kg	<0.00077	<0.00093	<0.039	<0.044	<0.00078	<0.00075	<0.058	<0.0006	<0.00072	<0.054	<0.07	<0.044	<0.062
Trichloroethene	mg/kg	<0.00077	<0.00093	<0.039	<0.044	<0.00078	<0.00075	<0.058	<0.0006	<0.00072	<0.054	<0.07	<0.044	<0.062
Trichlorofluoromethane	mg/kg	<0.0031	<0.0037	<0.16	<0.18	<0.0031	<0.003	<0.23	<0.0024	<0.0029	<0.21	<0.28	<0.18	<0.25
Vinyl chloride	mg/kg	<0.0015	<0.0019	<0.078	<0.088	<0.0016	<0.0015	<0.12	<0.0012	<0.0014	<0.11	<0.14	<0.088	<0.12
Xylenes, Total	mg/kg	0.0085	0.051	<0.078	<0.088	0.019	0.014	<0.12	0.0015	<0.0014	<0.11	<0.14	<0.088	<0.12
Total VOCs	mg/kg	0.0849	0.3303	1.242	1.356	0.1722	0.0366	2.44	0.003	0.0035	0.86	0.73	1.41	0.79
Semi-Volatile Organic Compounds														
1,2,4-Trichlorobenzene	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.21	<0.21	<0.22	<0.24	<0.23	<0.24	<0.26	<0.19	<0.21
1,2-Dichlorobenzene	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.21	<0.21	<0.22	<0.24	<0.23	<0.24	<0.26	<0.19	<0.21
1,3-Dichlorobenzene	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.21	<0.21	<0.22	<0.24	<0.23	<0.24	<0.26	<0.19	<0.21
1,4-Dichlorobenzene	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.21	<0.21	<0.22	<0.24	<0.23	<0.24	<0.26	<0.19	<0.21
2,4,5-Trichlorophenol	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.21	<0.21	<0.22	<0.24	<0.23	<0.24	<0.26	<0.19	<0.21
2,4,6-Trichlorophenol	mg/kg	<0.12	<0.13	<0.12	<0.12	<0.13	<0.13	<0.13	<0.15	<0.14	<0.15	<0.15	<0.12	<0.12
2,4-Dichlorophenol	mg/kg	<0.19	<0.2	<0.18	<0.18	<0.19	<0.19	<0.2	<0.22	<0.21	<0.22	<0.23	<0.17	<0.19
2,4-Dimethylphenol	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.21	<0.21	<0.22	<0.24	<0.23	<0.24	<0.26	<0.19	<0.21
2,4-Dinitrophenol	mg/kg	<1	<1	<0.97	<0.99	<1	<1	<1.1	<1.2	<1.1	<1.2	<1.2	<0.93	<1
2,4-Dinitrotoluene	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.21	<0.21	<0.22	<0.24	<0.23	<0.24	<0.26	<0.19	<0.21
2,6-Dinitrotoluene	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.21	<0.21	<0.22	<0.24	<0.23	<0.24	<0.26	<0.19	<0.21
2-Chloronaphthalene	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.21	<0.21	<0.22	<0.24	<0.23	<0.24	<0.26	<0.19	<0.21
2-Chlorophenol	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.21	<0.21	<0.22	<0.24	<0.23	<0.24	<0.26	<0.19	<0.21
2-Methylnaphthalene	mg/kg	<0.25	<0.26	<0.24	<0.25	<0.25	<0.26	<0.27	<0.29	<0.28	<0.29	<0.31	<0.23	<0.25
2-Methylphenol	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.21	<0.21	<0.22	<0.24	<0.23	<0.24	<0.26	<0.19	<0.21
2-Nitrophenol	mg/kg	<0.45	<0.47	<0.44	<0.44	<0.45	<0.46	<0.48	<0.53	<0.5	<0.53	<0.55	<0.42	<0.45
3,3'-Dichlorobenzidine	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.21	<0.21	<0.22	<0.24	<0.23	<0.24	<0.26	<0.19	<0.21
3-Methylphenol/4-Methylphenol	mg/kg	<0.3	<0.32	<0.29	<0.3	<0.3	<0.31	<0.37	<0.35	<0.33	<0.35	<0.37	<0.28	<0.3
4-Bromophenyl phenyl ether	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.21	<0.21	<0.22	<0.24	<0.23	<0.24	<0.26	<0.19	<0.21
4-Chloroaniline	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.21	<0.21	<0.22	<0.24	<0.23	<0.24	<0.26	<0.19	<0.21
4-Nitrophenol	mg/kg	<0.29	<0.31	<0.28	<0.29	<0.29	<0.3	<0.31	<0.34	<0.32	<0.34	<0.36	<0.27	<0.29

TABLE 5
MARINE STOCKPILE SOIL ANALYTICAL RESULTS
Wynn Boston Harboer
1 Horizon Way
Everett, Massachusetts

Analyte	Sample ID	SHORELINE STOCKPILE-4A	SHORELINE STOCKPILE-4B	SHORELINE STOCKPILE-4C	SHORELINE STOCKPILE-4D	SHORELINE STOCKPILE-4E	SHORELINE STOCKPILE-4F	SHORELINE STOCKPILE-2A	SHORELINE STOCKPILE-2B	SHORELINE STOCKPILE-2C	SHORELINE STOCKPILE-2D	SHORELINE STOCKPILE-2E	SHORELINE STOCKPILE #7A	SHORELINE STOCKPILE #7B
	Laboratory Work Order	L17037S1/L1704204	L1703751/L1704204	L1703751/L1704204	L1703751/L1704204	L17037S1/L1704204	L1703751/L1704204	L1704S58/L1705216	L1704558	L1704SS8	L1704SS8/L170S216	L1704SS8	L1712318/L171281S	L1712318
	Sampling Date	2/6/2017	2/6/2017	2/6/2017	2/6/2017	2/6/2017	2/6/2017	2/14/2017	2/14/2017	2/14/2017	2/14/2017	2/14/2017	4/19/2017	4/19/2017
Acenaphthene	mg/kg	<0.17	<0.18	<0.16	0.4	<0.17	<0.17	<0.18	<0.2	<0.18	<0.2	<0.2	0.47	0.36
Acenaphthylene	mg/kg	<0.17	<0.18	<0.16	<0.16	<0.17	<0.17	<0.18	<0.2	<0.18	<0.2	<0.2	<0.16	<0.17
Acetophenone	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.21	<0.21	<0.22	<0.24	<0.23	<0.24	<0.26	<0.19	<0.21
Aniline	mg/kg	<0.25	<0.26	<0.24	<0.25	<0.25	<0.26	<0.27	<0.29	<0.28	<0.29	<0.31	<0.23	<0.25
Anthracene	mg/kg	0.17	0.23	<0.12	0.69	0.12	<0.13	<0.13	<0.15	<0.14	<0.15	<0.15	0.9	0.72
Azobenzene	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.21	<0.21	<0.22	<0.24	<0.23	<0.24	<0.26	<0.19	<0.21
Benzo(a)anthracene	mg/kg	0.36	0.28	0.13	1.2	0.23	<0.13	0.14	<0.15	<0.14	0.16	<0.15	1.4	1.2
Benzo(a)pyrene	mg/kg	0.31	0.21	<0.16	0.92	0.2	<0.17	<0.18	<0.2	<0.18	<0.2	<0.2	1.2	1
Benzo(b)fluoranthene	mg/kg	0.44	0.27	<0.12	1.2	0.25	<0.13	0.14	<0.15	<0.14	0.26	<0.15	1.6	1.4
Benzo(ghi)perylene	mg/kg	<0.17	<0.18	<0.16	0.53	<0.17	<0.17	<0.18	<0.2	<0.18	<0.2	<0.2	0.59	0.5
Benzo(k)fluoranthene	mg/kg	0.15	<0.13	<0.12	0.4	<0.13	<0.13	<0.13	<0.15	<0.14	<0.15	<0.15	0.56	0.49
Bis(2-chloroethoxy)methane	mg/kg	<0.22	<0.24	<0.22	<0.22	<0.23	<0.23	<0.24	<0.26	<0.25	<0.26	<0.28	<0.21	<0.23
Bis(2-chloroethyl)ether	mg/kg	<0.19	<0.2	<0.18	<0.18	<0.19	<0.19	<0.2	<0.22	<0.21	<0.22	<0.23	<0.17	<0.19
Bis(2-chloroisopropyl)ether	mg/kg	<0.25	<0.26	<0.24	<0.25	<0.25	<0.26	<0.27	<0.29	<0.28	<0.29	<0.31	<0.23	<0.25
Bis(2-ethylhexyl)phthalate	mg/kg	2	1.6	2.5	3	1.1	0.93	2.6	0.62	1	0.81	0.72	2.7	1.7
Butyl benzyl phthalate	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.21	<0.21	<0.22	<0.24	<0.23	<0.24	<0.26	<0.19	<0.21
Chrysene	mg/kg	0.32	0.26	0.12	1.1	0.24	<0.13	0.13	<0.15	<0.14	0.19	<0.15	1.3	1.1
Dibenzo(a,h)anthracene	mg/kg	<0.12	<0.13	<0.12	0.14	<0.13	<0.13	<0.13	<0.15	<0.14	<0.15	<0.15	0.17	0.14
Dibenzofuran	mg/kg	<0.21	<0.22	<0.2	0.25	<0.21	<0.21	<0.22	<0.24	<0.23	<0.24	<0.26	0.22	<0.21
Diethyl phthalate	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.21	<0.21	<0.22	<0.24	<0.23	<0.24	<0.26	<0.19	<0.21
Dimethylphthalate	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.21	<0.21	<0.22	<0.24	<0.23	<0.24	<0.26	<0.19	<0.21
Di-n-butylphthalate	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.21	<0.21	<0.22	<0.24	<0.23	<0.24	<0.26	<0.19	<0.21
Di-n-octyl phthalate	mg/kg	0.21	<0.22	<0.2	<0.2	<0.21	<0.21	<0.22	<0.24	<0.23	<0.24	<0.26	<0.19	<0.21
Fluoranthene	mg/kg	0.76	0.6	0.36	2.7	0.72	0.28	0.33	<0.15	0.19	0.3	0.16	3.5	3
Fluorene	mg/kg	<0.21	<0.22	<0.2	0.37	<0.21	<0.21	<0.22	<0.24	<0.23	<0.24	<0.26	0.38	0.32
Hexachlorobenzene	mg/kg	<0.12	<0.13	<0.12	<0.12	<0.13	<0.13	<0.13	<0.15	<0.14	<0.15	<0.15	<0.12	<0.12
Hexachlorobutadiene	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.21	<0.21	<0.22	<0.24	<0.23	<0.24	<0.26	<0.19	<0.21
Hexachloroethane	mg/kg	<0.17	<0.18	<0.16	<0.16	<0.17	<0.17	<0.18	<0.2	<0.18	<0.2	<0.2	<0.16	<0.17
Indeno(1,2,3-cd)pyrene	mg/kg	0.18	<0.18	<0.16	0.57	<0.17	<0.17	<0.18	<0.2	<0.18	<0.2	<0.2	0.75	0.6
Isophorone	mg/kg	<0.19	<0.2	<0.18	<0.18	<0.19	<0.19	<0.2	<0.22	<0.21	<0.22	<0.23	<0.17	<0.19
Naphthalene	mg/kg	0.53	0.46	<0.2	0.42	<0.21	<0.21	0.68	<0.24	<0.23	<0.24	<0.26	0.45	0.35
Nitrobenzene	mg/kg	<0.19	<0.2	<0.18	<0.18	<0.19	<0.19	<0.2	<0.22	<0.21	<0.22	<0.23	<0.17	<0.19
Pentachlorophenol	mg/kg	<0.42	<0.44	<0.4	<0.41	<0.42	<0.42	<0.45	<0.49	<0.46	<0.49	<0.51	<0.39	<0.42
Phenanthrene	mg/kg	0.54	0.56	0.28	2.7	0.53	0.28	0.34	<0.15	0.19	0.2	<0.15	2.6	2.3
Phenol	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.21	<0.21	<0.22	<0.24	<0.23	<0.24	<0.26	<0.19	<0.21
Pyrene	mg/kg	0.67	0.46	0.28	2.1	0.52	0.25	0.28	<0.15	0.17	0.29	0.16	2.6	2.3
Pyridine	mg/kg	<0.22	<0.24	<0.22	<0.22	<0.23	<0.23	<0.24	<0.26	<0.25	<0.26	<0.28	<0.21	<0.23
Total SVOCs	mg/kg	6.64	4.93	3.67	18.69	3.91	1.74	4.64	0.62	1.55	2.21	1.04	21.39	17.48
Classic Chemistry														
Corrosivity (pH)	SU	7.4	7.4	7.4	7.5	7.5	7.3	7.4	7.4	7.5	7.6	7.4	7.5	8
Conductivity	umhos/cm	2000	1300	1600	1400	1300	1400	940	1300	1400	580	1500	1100	620
Flashpoint	deg f	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150
Ignitability	none	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.
Reactive Cyanide	mg/kg	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Reactive Sulfide	mg/kg	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

Notes:
1. Samples in which detected concentrations of a total metals exceeded 20 times the corresponding TCLP regulatory concentration were run for TCLP by EPA method 1311.
2. A < sign indicates that a concentration was below the laboratory reporting limit. A -- indicates that a sample was not analyzed for the corresponding compound.

TABLE 5
MARINE STOCKPILE SOIL ANALYTICAL RESULTS

Wynn Boston Harboer
1 Horizon Way
Everett, Massachusetts

Analyte	Sample ID	SHORELINE STOCKPILE #7C	SHORELINE STOCKPILE #7D	SHORELINE STOCKPILE #7E	SHORELINE STOCKPILE #7F	SHORELINE STOCKPILE #7G	SHORELINE STOCKPILE #5A	SHORELINE STOCKPILE #5B	SHORELINE STOCKPILE #5C	SHORELINE STOCKPILE #5D	SHORELINE STOCKPILE #5E	SHORELINE STOCKPILE #6A	SHORELINE STOCKPILE #6B	SHORELINE STOCKPILE #6C
	Laboratory Work Order	L1712318/L1712815	L1712318/L1712815	L1712318/L1712815	L1712318/L1712815	L1712318/L1712815	L1712854/L1713409	L1712854/L1713409	L1712854/L1713409	L1712854/L1713409	L1712854/L1713409	L1714154/L1714542	L1714154/L1714542	L1714154/L1714542
	Sampling Date	4/19/2017	4/19/2017	4/19/2017	4/19/2017	4/19/2017	4/24/2017	4/24/2017	4/24/2017	4/24/2017	4/24/2017	5/3/2017	5/3/2017	5/3/2017
Totol Metols	Units													
Antimony	mg/kg	4.4	3.5	4.1	4.3	4.9	< 2.4	< 2.4	< 2.4	< 2.5	< 2.5	27	17	24
Arsenic	mg/kg	44	40	59	67	56	34	37	26	130	35	180	180	110
Barium	mg/kg	55	57	58	40	41	29	35	26	53	40	61	64	67
Beryllium	mg/kg	< 0.25	0.31	0.32	< 0.23	< 0.22	0.35	0.29	0.42	0.52	0.38	< 0.23	< 0.24	< 0.25
Cadmium	mg/kg	< 0.49	< 0.55	< 0.48	< 0.46	< 0.45	0.48	< 0.47	< 0.48	< 0.50	< 0.50	0.92	1.1	1.1
Chromium	mg/kg	20	23	22	18	17	17	16	13	25	20	17	19	16
Lead	mg/kg	280	200	250	190	240	140	160	100	170	130	1400	820	940
Mercury	mg/kg	1.05	1.04	2.38	1.1	0.783	0.562	0.79	0.832	0.716	0.805	0.697	3.48	1.82
Nickel	mg/kg	13	14	13	10	10	12	10	9	15	14	5.4	8.6	6.7
Selenium	mg/kg	< 2.5	< 2.7	< 2.4	2.6	3.4	< 2.4	< 2.4	< 2.4	< 2.5	< 2.5	< 2.3	4.5	< 2.5
Silver	mg/kg	< 0.49	< 0.55	< 0.48	< 0.46	< 0.45	< 0.48	< 0.47	< 0.48	< 0.50	< 0.50	2.8	2.6	2.7
Thallium	mg/kg	< 2.5	< 2.7	< 2.4	< 2.3	< 2.2	< 2.4	< 2.4	< 2.4	< 2.5	< 2.5	< 2.3	< 2.4	< 2.5
Vanadium	mg/kg	25	27	29	20	22	20	20	15	34	26	15	19	16
Zinc	mg/kg	140	140	130	130	230	210	160	170	170	130	140	130	130
Metals by Toxicity Choracteristic Leaching Procedure (TCLP)														
Arsenic, TCLP	mg/l	–	–	–	–	–	–	–	–	< 1.0	–	< 1.0	< 1.0	< 1.0
Lead, TCLP	mg/l	< 0.50	< 0.50	0.57	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	5.6	4.3	5.4
Mercury, TCLP	mg/l	–	–	–	–	–	–	–	–	–	–	–	–	–
Selenium, TCLP	mg/l	–	–	–	–	–	–	–	–	–	–	–	–	–
Herbicides														
2,4,5-T	mg/kg	<0.041	<0.045	<0.041	<0.2	<0.038	<0.04	<0.04	<0.041	<0.042	<0.041	<0.04	<0.04	<0.043
2,4,5-TP (Silvex)	mg/kg	<0.041	<0.045	<0.041	<0.2	<0.038	<0.04	<0.04	<0.041	<0.042	<0.041	<0.04	<0.04	<0.043
2,4-D	mg/kg	<0.041	<0.045	<0.041	<0.2	<0.038	<0.04	<0.04	<0.041	<0.042	<0.041	<0.04	<0.04	<0.043
2,4-DB	mg/kg	<0.041	<0.045	<0.041	<0.2	<0.038	<0.04	<0.04	<0.041	<0.042	<0.041	<0.04	<0.04	<0.043
Dalapon	mg/kg	<0.041	<0.045	<0.041	<0.2	<0.038	<0.04	<0.04	<0.041	<0.042	<0.041	<0.04	<0.04	<0.043
Dicamba	mg/kg	<0.041	<0.045	<0.041	<0.2	<0.038	<0.04	<0.04	<0.041	<0.042	<0.041	<0.04	<0.04	<0.043
Dichlorprop	mg/kg	<0.041	<0.045	<0.041	<0.2	<0.038	<0.04	<0.04	<0.041	<0.042	<0.041	<0.04	<0.04	<0.043
Dinoseb	mg/kg	<0.041	<0.045	<0.041	<0.2	<0.038	<0.04	<0.04	<0.041	<0.042	<0.041	<0.04	<0.04	<0.043
MCPA	mg/kg	<4.1	<4.5	<4.1	<20	<3.8	<4	<4	<4.1	<4.2	<4.1	<4	<4	<4.3
MCPP	mg/kg	<4.1	<4.5	<4.1	<20	<3.8	<4	<4	<4.1	<4.2	<4.1	<4	<4	<4.3
Total Herbicides	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides														
4,4'-DDD	mg/kg	<0.00999	<0.0108	<0.00949	<0.00942	<0.00885	<0.00966	<0.00943	<0.0099	<0.0102	<0.01	<0.00947	<0.00966	<0.0102
4,4'-DDE	mg/kg	<0.00999	<0.0108	<0.00949	<0.00942	<0.00885	<0.00966	<0.00943	<0.0099	<0.0102	<0.01	<0.00947	<0.00966	<0.0102
4,4'-DDT	mg/kg	<0.0187	<0.0202	<0.0178	<0.0176	<0.0166	0.0197	0.0234	<0.0186	<0.019	<0.0188	0.0197	0.0266	<0.0192
Aldrin	mg/kg	<0.00999	<0.0108	<0.00949	<0.00942	<0.00885	<0.00966	<0.00943	<0.0099	<0.0102	<0.01	<0.00947	<0.00966	<0.0102
alpha-BHC	mg/kg	<0.00416	<0.00449	<0.00395	<0.00392	<0.00369	<0.00402	<0.00393	<0.00413	<0.00423	<0.00418	<0.00395	<0.00402	<0.00426
beta-BHC	mg/kg	<0.00999	<0.0108	<0.00949	<0.00942	<0.00885	<0.00966	<0.00943	<0.0099	<0.0102	<0.01	<0.00947	<0.00966	<0.0102
Chlordane	mg/kg	<0.0811	<0.0875	<0.0771	<0.0765	<0.0719	<0.0785	<0.0766	<0.0805	<0.0825	<0.0816	<0.077	<0.0785	<0.0832
delta-BHC	mg/kg	<0.00999	<0.0108	<0.00949	<0.00942	<0.00885	<0.00966	<0.00943	<0.0099	<0.0102	<0.01	<0.00947	<0.00966	<0.0102
Dieldrin	mg/kg	<0.00624	<0.00673	<0.00593	<0.00588	<0.00553	0.00647	0.0106	<0.00619	<0.00635	<0.00628	<0.00592	<0.00604	<0.0064
Endosulfan I	mg/kg	<0.00999	<0.0108	<0.00949	<0.00942	<0.00885	<0.00966	<0.00943	<0.0099	<0.0102	<0.01	<0.00947	<0.00966	<0.0102
Endosulfan II	mg/kg	<0.00999	<0.0108	<0.00949	<0.00942	<0.00885	<0.00966	<0.00943	<0.0099	<0.0102	<0.01	<0.00947	<0.00966	<0.0102
Endosulfan sulfate	mg/kg	<0.00416	<0.00449	<0.00395	<0.00392	<0.00369	<0.00402	<0.00393	<0.00413	<0.00423	<0.00418	<0.00395	<0.00402	<0.00426
Endrin	mg/kg	<0.00416	<0.00449	<0.00395	<0.00392	<0.00369	0.00501	<0.00393	<0.00413	<0.00423	<0.00418	<0.00395	<0.00402	<0.00426
Endrin ketone	mg/kg	<0.00999	<0.0108	<0.00949	<0.00942	<0.00885	0.0178	<0.00943	<0.0099	<0.0102	0.0118	<0.00947	<0.00966	<0.0102
Heptachlor	mg/kg	<0.00499	<0.00539	<0.00474	<0.00471	<0.00442	<0.00483	<0.00472	<0.00495	<0.00508	<0.00502	<0.00474	<0.00483	<0.00512
Heptachlor epoxide	mg/kg	<0.0187	<0.0202	<0.0178	<0.0176	<0.0166	<0.0181	<0.0177	<0.0186	<0.019	<0.0188	<0.0178	<0.0181	<0.0192
Hexachlorobenzene	mg/kg	<0.00999	<0.0108	<0.00949	<0.00942	<0.00885	<0.00966	<0.00943	<0.0099	<0.0102	<0.01	<0.00947	<0.00966	<0.0102
Lindane	mg/kg	<0.00333	<0.00359	<0.00316	<0.00314	<0.00295	<0.00322	<0.00314	<0.0033	<0.00338	<0.00335	<0.00316	<0.00322	<0.00341
Methoxychlor	mg/kg	<0.0187	<0.0202	<0.0178	<0.0176	<0.0166	<0.0181	<0.0177	<0.0186	<0.019	<0.0188	<0.0178	<0.0181	<0.0192
Toxaphene	mg/kg	<0.187	<0.202	<0.178	<0.176	<0.166	<0.181	<0.177	<0.186	<0.19	<0.188	<0.178	<0.181	<0.192
Total Pesticides	mg/kg	ND	ND	ND	ND	ND	0.04898	0.034	ND	ND	0.0118	0.0197	0.0266	ND
Polychlorinated Biphenyls														
Aroclor 1016	mg/kg	<0.0418	<0.0452	<0.0404	<0.0383	<0.038	<0.0393	<0.0394	<0.041	<0.0424	<0.0402	<0.0386	<0.04	<0.0426
Aroclor 1221	mg/kg	<0.0418	<0.0452	<0.0404	<0.0383	<0.038	<0.0393	<0.0394	<0.041	<0.0424	<0.0402	<0.0386	<0.04	<0.0426
Aroclor 1232	mg/kg	<0.0418	<0.0452	<0.0404	<0.0383	<0.038	<0.0393	<0.0394	<0.041	<0.0424	<0.0402	<0.0386	<0.04	<0.0426
Aroclor 1242	mg/kg	<0.0418	<0.0452	<0.0404	<0.0383	<0.038	<0.0393	<0.0394	<0.041	<0.0424	<0.0402	<0.0386	<0.04	<0.0426
Aroclor 1248	mg/kg	<0.0418	<0.0452	<0.0404	<0.0383	<0.038	<0.0393	<0.0394	<0.041	<0.0424	<0.0402	<0.0386	<0.04	<0.0426
Aroclor 1254	mg/kg	0.054	0.047	<0.0404	0.13	0.0917	<0.0393	0.122	0.0477	0.222	0.0662	0.094	0.093	0.131
Aroclor 1260	mg/kg	<0.0418	<0.0452	<0.0404	0.0664	0.052	<0.0393	0.0503	<0.041	0.165	<0.0402	<0.0386	0.0405	0.0432
Aroclor 1262	mg/kg	<0.0418	<0.0452	<0.0404	<0.0383	<0.038	<0.0393	<0.0394	<0.041	<0.0424	<0.0402	<0.0386	<0.04	<0.0426
Aroclor 1268	mg/kg	<0.0418	<0.0452	<0.0404	<0.0383	<0.038	<0.0393	<0.0394	<0.041	<0.0424	<0.0402	<0.0386	<0.04	<0.0426
Total PC8s	mg/kg	0.054	0.047	ND	0.1964	0.1437	ND	0.1723	0.0477	0.387	0.0662	0.094	0.1335	0.1742
Total Petroleum Hydrocorbons	mg/kg	431	465	220	1680	201	820	354	570	521	306	132	88.7	108
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	mg/kg	<0.046	<0.051	<0.056	<0.045	<0.057	<0.00051	<0.00049	<0.054	<0.0005	<0.00062	<0.00059	<0.00064	<0.072
1,1,1-Trichloroethane	mg/kg	<0.046	<0.051	<0.056	<0.045	<0.057	<0.00051	<0.00049	<0.054	<0.0005	<0.00062	<0.00059	<0.00064	<0.072
1,1,2,2-Tetrachloroethane	mg/kg	<0.046	<0.051	<0.056	<0.045	<0.057	<0.00051	<0.00049	<0.054	<0.0005	<0.00062	<0.00059	<0.00064	<0.072
1,1,2-Trichloroethane	mg/kg	<0.07	<0.077	<0.084	<0.067	<0.086	<0.00076	<0.00073	<0.081	<0.00076	<0.00093	<0.00088	<0.00097	<0.11
1,1-Dichloroethane	mg/kg	<0.07	<0.077	<0.084	<0.067	<0.086	<0.00076	<0.00073	<0.081	<0.00076	<0.00093	<0.00088	<0.00097	<0.11
1,1-Dichloroethene	mg/kg	<0.046	<0.051	<0.056	<0.045	<0.057	<0.00051	<0.00049	<0.054	<0.0005	<0.00062	<0.00059	<0.00064	<0.072
1,1-Dichloropropene	mg/kg	<0.18	<0.2	<0.22	<0.18	<0.23	<0.002	<0.002	<0.22	<0.002	<0.0025	<0.0024	<0.0026	<0.29
1,2,3-Trichlorobenzene	mg/kg	<0.18	<0.2	<0.22	<0.18	<0.23	<0.002	<0.002	<0.22	<0.002	<0.0025	<0.0024	<0.0026	<0.29
1,2,3-Trichloropropane	mg/kg	<0.18	<0.2	<0.22	<0.18	<0.23	<0.002	<0.002	<0.22	<0.002	<0.0025	<0.0024	<0.0026	<0.29
1,2,4-Trichlorobenzene	mg/kg	<0.18	<0.2	<0.22	<0.18	<0.23	<0.002	<0.002	<0.22	<0.002	<0.0025	<0.0024	<0.0026	<0.29
1,2,4-Trimethylbenzene	mg/kg	<0.18	<0.2	<0.22	<0.18	<0.23	<0.002	<0.002	<0.22	<0.002	<0.0025	<0.0024	<0.0026	<0.29
1,2-Dibromo-3-chloropropane	mg/kg	<0.18	<0.2	<0.22	<0.18	<0.23	<0.002	<0.002	<0.22	<0.002	<0.0025	<0.0024	<0.0026	<0.29
1,2-Dibromoethane	mg/kg	<0.18	<0.2	<0.22	<0.18	<0.23	<0.002	<0.002	<0.22	<0.002	<0.0025	<0.0024	<0.0026	<0.29

TABLE 5
MARINE STOCKPILE SOIL ANALYTICAL RESULTS

Wynn Boston Harboer
1 Horizon Way
Everett, Massachusetts

Analyte	Sample ID	SHORELINE STOCKPILE #7C	SHORELINE STOCKPILE #7D	SHORELINE STOCKPILE #7E	SHORELINE STOCKPILE #7F	SHORELINE STOCKPILE #7G	SHORELINE STOCKPILE #5A	SHORELINE STOCKPILE #5B	SHORELINE STOCKPILE #5C	SHORELINE STOCKPILE #5D	SHORELINE STOCKPILE #5E	SHORELINE STOCKPILE #6A	SHORELINE STOCKPILE #6B	SHORELINE STOCKPILE #6C
	Laboratory Work Order	L1712318/L1712815	L1712318/L1712815	L1712318/L1712815	L1712318/L1712815	L1712318/L1712815	L1712854/L1713409	L1712854/L1713409	L1712854/L1713409	L1712854/L1713409	L1712854/L1713409	L1714154/L1714542	L1714154/L1714542	L1714154/L1714542
	Sampling Date	4/19/2017	4/19/2017	4/19/2017	4/19/2017	4/19/2017	4/24/2017	4/24/2017	4/24/2017	4/24/2017	4/24/2017	5/3/2017	5/3/2017	5/3/2017
1,2-Dichlorobenzene	mg/kg	<0.18	<0.2	<0.22	<0.18	<0.23	<0.002	<0.002	<0.22	<0.002	<0.0025	<0.0024	<0.0026	<0.29
1,2-Dichloroethane	mg/kg	<0.046	<0.051	<0.056	<0.045	<0.057	<0.00051	<0.00049	<0.054	<0.0005	<0.00062	<0.00059	<0.00064	<0.072
1,2-Dichloropropane	mg/kg	<0.16	<0.18	<0.2	<0.16	<0.2	<0.0018	<0.0017	<0.19	<0.0018	<0.0022	<0.0021	<0.0022	<0.25
1,3,5-Trimethylbenzene	mg/kg	<0.18	<0.2	<0.22	<0.18	<0.23	<0.002	<0.002	<0.22	<0.002	<0.0025	<0.0024	<0.0026	<0.29
1,3-Dichlorobenzene	mg/kg	<0.18	<0.2	<0.22	<0.18	<0.23	<0.002	<0.002	<0.22	<0.002	<0.0025	<0.0024	<0.0026	<0.29
1,3-Dichloropropane	mg/kg	<0.18	<0.2	<0.22	<0.18	<0.23	<0.002	<0.002	<0.22	<0.002	<0.0025	<0.0024	<0.0026	<0.29
1,4-Dichlorobenzene	mg/kg	<0.18	<0.2	<0.22	<0.18	<0.23	<0.002	<0.002	<0.22	<0.002	<0.0025	<0.0024	<0.0026	<0.29
1,4-Dioxane	mg/kg	<1.8	<2	<2.2	<1.8	<2.3	<0.02	<0.02	<2.2	<0.02	<0.025	<0.024	<0.026	<2.9
2,2-Dichloropropane	mg/kg	<0.23	<0.26	<0.28	<0.22	<0.28	<0.0025	<0.0024	<0.27	<0.0025	<0.0031	<0.003	<0.0032	<0.36
2-Butanone	mg/kg	<0.46	<0.51	<0.56	<0.45	<0.57	<0.0051	<0.0049	<0.54	<0.005	<0.0062	<0.0059	<0.0064	<0.72
2-Hexanone	mg/kg	<0.46	<0.51	<0.56	<0.45	<0.57	<0.0051	<0.0049	<0.54	<0.005	<0.0062	<0.0059	<0.0064	<0.72
4-Methyl-2-pentanone	mg/kg	<0.46	<0.51	<0.56	<0.45	<0.57	<0.0051	<0.0049	<0.54	<0.005	<0.0062	<0.0059	<0.0064	<0.72
Acetone	mg/kg	<1.7	<1.8	<2	<1.6	<2	<0.018	<0.018	<1.9	<0.018	<0.022	<0.021	<0.023	<2.6
Benzene	mg/kg	<0.046	<0.051	<0.056	<0.045	<0.057	<0.00051	<0.00049	<0.054	<0.0005	<0.00062	<0.00059	<0.00064	<0.072
Bromobenzene	mg/kg	<0.23	<0.26	<0.28	<0.22	<0.28	<0.0025	<0.0024	<0.27	<0.0025	<0.0031	<0.003	<0.0032	<0.36
Bromochloromethane	mg/kg	<0.18	<0.2	<0.22	<0.18	<0.23	<0.002	<0.002	<0.22	<0.002	<0.0025	<0.0024	<0.0026	<0.29
Bromodichloromethane	mg/kg	<0.046	<0.051	<0.056	<0.045	<0.057	<0.00051	<0.00049	<0.054	<0.0005	<0.00062	<0.00059	<0.00064	<0.072
Bromoform	mg/kg	<0.18	<0.2	<0.22	<0.18	<0.23	<0.002	<0.002	<0.22	<0.002	<0.0025	<0.0024	<0.0026	<0.29
Bromomethane	mg/kg	<0.093	<0.1	<0.11	<0.09	<0.11	<0.001	<0.00098	<0.11	<0.001	<0.0012	<0.0012	<0.0013	<0.14
Carbon disulfide	mg/kg	<0.18	<0.2	<0.22	<0.18	<0.23	<0.002	<0.002	0.25	<0.002	<0.0025	<0.0024	<0.0026	<0.29
Carbon tetrachloride	mg/kg	<0.046	<0.051	<0.056	<0.045	<0.057	<0.00051	<0.00049	<0.054	<0.0005	<0.00062	<0.00059	<0.00064	<0.072
Chlorobenzene	mg/kg	0.1	0.26	0.07	0.056	<0.057	<0.00051	<0.00049	<0.054	<0.0005	0.0019	<0.00059	<0.00064	<0.072
Chloroethane	mg/kg	<0.093	<0.1	<0.11	<0.09	<0.11	<0.001	<0.00098	<0.11	<0.001	<0.0012	<0.0012	<0.0013	<0.14
Chloroform	mg/kg	<0.07	<0.077	<0.084	<0.067	<0.086	<0.00076	<0.00073	<0.081	<0.00076	<0.00093	<0.00088	<0.00097	<0.11
Chloromethane	mg/kg	<0.18	<0.2	<0.22	<0.18	<0.23	<0.002	<0.002	<0.22	<0.002	<0.0025	<0.0024	<0.0026	<0.29
cis-1,2-Dichloroethene	mg/kg	<0.046	<0.051	<0.056	<0.045	<0.057	<0.00051	<0.00049	<0.054	<0.0005	<0.00062	<0.00059	<0.00064	<0.072
cis-1,3-Dichloropropene	mg/kg	<0.046	<0.051	<0.056	<0.045	<0.057	<0.00051	<0.00049	<0.054	<0.0005	<0.00062	<0.00059	<0.00064	<0.072
Dibromochloromethane	mg/kg	<0.046	<0.051	<0.056	<0.045	<0.057	<0.00051	<0.00049	<0.054	<0.0005	<0.00062	<0.00059	<0.00064	<0.072
Dibromomethane	mg/kg	<0.18	<0.2	<0.22	<0.18	<0.23	<0.002	<0.002	<0.22	<0.002	<0.0025	<0.0024	<0.0026	<0.29
Dichlorodifluoromethane	mg/kg	<0.46	<0.51	<0.56	<0.45	<0.57	<0.0051	<0.0049	<0.54	<0.005	<0.0062	<0.0059	<0.0064	<0.72
Diethyl ether	mg/kg	<0.23	<0.26	<0.28	<0.22	<0.28	<0.0025	<0.0024	<0.27	<0.0025	<0.0031	<0.003	<0.0032	<0.36
Di-isopropyl ether	mg/kg	<0.18	<0.2	<0.22	<0.18	<0.23	<0.002	<0.002	<0.22	<0.002	<0.0025	<0.0024	<0.0026	<0.29
Ethyl tertiary-butyl ether	mg/kg	<0.18	<0.2	<0.22	<0.18	<0.23	<0.002	<0.002	<0.22	<0.002	<0.0025	<0.0024	<0.0026	<0.29
Ethylbenzene	mg/kg	0.1	<0.051	<0.056	0.046	0.077	<0.00051	0.00079	0.2	<0.0005	<0.00062	<0.00059	<0.00064	<0.072
Hexachlorobutadiene	mg/kg	<0.18	<0.2	<0.22	<0.18	<0.23	<0.002	<0.002	<0.22	<0.002	<0.0025	<0.0024	<0.0026	<0.29
Isopropylbenzene	mg/kg	<0.046	<0.051	<0.056	<0.045	<0.057	<0.00051	<0.00049	<0.054	<0.0005	<0.00062	<0.00059	<0.00064	<0.072
Methyl tert-butyl ether	mg/kg	<0.093	<0.1	<0.11	<0.09	<0.11	<0.001	<0.00098	<0.11	<0.001	<0.0012	<0.0012	<0.0013	<0.14
Methylene chloride	mg/kg	<0.46	<0.51	<0.56	<0.45	<0.57	<0.0051	<0.0049	<0.54	<0.005	<0.0062	<0.0059	<0.0064	<0.72
Naphthalene	mg/kg	0.81	1.3	0.35	0.4	0.32	<0.002	<0.002	<0.22	<0.002	<0.0025	<0.0024	<0.0026	<0.29
n-Butylbenzene	mg/kg	<0.046	<0.051	<0.056	<0.045	<0.057	<0.00051	<0.00049	<0.054	<0.0005	<0.00062	<0.00059	<0.00064	<0.072
n-Propylbenzene	mg/kg	<0.046	<0.051	<0.056	<0.045	<0.057	<0.00051	<0.00049	<0.054	<0.0005	<0.00062	<0.00059	<0.00064	<0.072
o-Chlorotoluene	mg/kg	<0.18	<0.2	<0.22	<0.18	<0.23	<0.002	<0.002	<0.22	<0.002	<0.0025	<0.0024	<0.0026	<0.29
o-Xylene	mg/kg	0.23	<0.1	<0.11	0.11	<0.11	<0.001	0.0026	0.34	<0.001	0.0015	<0.0012	<0.0013	<0.14
p/m-Xylenes	mg/kg	0.42	<0.1	<0.11	0.16	0.28	<0.001	0.0026	0.79	<0.001	<0.0012	<0.0012	<0.0013	<0.14
p-Chlorotoluene	mg/kg	<0.18	<0.2	<0.22	<0.18	<0.23	<0.002	<0.002	<0.22	<0.002	<0.0025	<0.0024	<0.0026	<0.29
p-Isopropyltoluene	mg/kg	0.57	0.77	0.17	0.34	<0.057	<0.00051	0.0025	<0.054	0.0015	0.0019	<0.00059	<0.00064	<0.072
sec-Butylbenzene	mg/kg	<0.046	<0.051	<0.056	<0.045	<0.057	<0.00051	<0.00049	<0.054	<0.0005	<0.00062	<0.00059	<0.00064	<0.072
Styrene	mg/kg	<0.093	<0.1	<0.11	<0.09	<0.11	<0.001	<0.00098	<0.11	<0.001	<0.0012	<0.0012	<0.0013	<0.14
Tert-amyl methyl ether	mg/kg	<0.18	<0.2	<0.22	<0.18	<0.23	<0.002	<0.002	<0.22	<0.002	<0.0025	<0.0024	<0.0026	<0.29
Tert-Butylbenzene	mg/kg	<0.18	<0.2	<0.22	<0.18	<0.23	<0.002	<0.002	<0.22	<0.002	<0.0025	<0.0024	<0.0026	<0.29
Tetrachloroethene	mg/kg	<0.046	<0.051	<0.056	<0.045	<0.057	<0.00051	<0.00049	<0.054	<0.0005	<0.00062	<0.00059	<0.00064	<0.072
Tetrahydrofuran	mg/kg	<0.18	<0.2	<0.22	<0.18	<0.23	<0.002	<0.002	<0.22	<0.002	<0.0025	<0.0024	<0.0026	<0.29
Toluene	mg/kg	<0.07	<0.077	<0.084	<0.067	<0.086	<0.00076	<0.00073	<0.081	<0.00076	<0.00093	<0.00088	<0.00097	<0.11
trans-1,2-Dichloroethene	mg/kg	<0.07	<0.077	<0.084	<0.067	<0.086	<0.00076	<0.00073	<0.081	<0.00076	<0.00093	<0.00088	<0.00097	<0.11
trans-1,3-Dichloropropene	mg/kg	<0.046	<0.051	<0.056	<0.045	<0.057	<0.00051	<0.00049	<0.054	<0.0005	<0.00062	<0.00059	<0.00064	<0.072
Trichloroethene	mg/kg	<0.046	<0.051	<0.056	<0.045	<0.057	<0.00051	<0.00049	<0.054	<0.0005	<0.00062	<0.00059	<0.00064	<0.072
Trichlorofluoromethane	mg/kg	<0.18	<0.2	<0.22	<0.18	<0.23	<0.002	<0.002	<0.22	<0.002	<0.0025	<0.0024	<0.0026	<0.29
Vinyl chloride	mg/kg	<0.093	<0.1	<0.11	<0.09	<0.11	<0.001	<0.00098	<0.11	<0.001	<0.0012	<0.0012	<0.0013	<0.14
Xylenes, Total	mg/kg	0.65	<0.1	<0.11	0.27	0.28	<0.001	0.0052	1.1	<0.001	0.0015	<0.0012	<0.0013	<0.14
Total VOCs	mg/kg	2.88	2.33	0.59	1.382	0.957	ND	0.01369	2.68	0.0015	0.0068	ND	ND	ND
Semi-Volatile Organic Compounds														
1,2,4-Trichlorobenzene	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.19	<0.2	<0.2	<0.21	<0.21	<0.21	<0.2	<0.2	<0.21
1,2-Dichlorobenzene	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.19	<0.2	<0.2	<0.21	<0.21	<0.21	<0.2	<0.2	<0.21
1,3-Dichlorobenzene	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.19	<0.2	<0.2	<0.21	<0.21	<0.21	<0.2	<0.2	<0.21
1,4-Dichlorobenzene	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.19	<0.2	<0.2	<0.21	<0.21	<0.21	<0.2	<0.2	<0.21
2,4,5-Trichlorophenol	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.19	<0.2	<0.2	<0.21	<0.21	<0.21	<0.2	<0.2	<0.21
2,4,6-Trichlorophenol	mg/kg	<0.12	<0.13	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.13	<0.12	<0.12	<0.12	<0.13
2,4-Dichlorophenol	mg/kg	<0.19	<0.2	<0.18	<0.18	<0.17	<0.18	<0.18	<0.18	<0.19	<0.19	<0.18	<0.18	<0.19
2,4-Dimethylphenol	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.19	<0.2	<0.2	<0.21	<0.21	<0.21	<0.2	<0.2	<0.21
2,4-Dinitrophenol	mg/kg	<1	<1.1	<0.98	<0.95	<0.92	<0.96	<0.95	<0.99	<1	<1	<0.96	<0.96	<1
2,4-Dinitrotoluene	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.19	<0.2	<0.2	<0.21	<0.21	<0.21	<0.2	<0.2	<0.21
2,6-Dinitrotoluene	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.19	<0.2	<0.2	<0.21	<0.21	<0.21	<0.2	<0.2	<0.21
2-Chloronaphthalene	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.19	<0.2	<0.2	<0.21	<0.21	<0.21	<0.2	<0.2	<0.21
2-Chlorophenol	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.19	<0.2	<0.2	<0.21	<0.21	<0.21	<0.2	<0.2	<0.21
2-Methylnaphthalene	mg/kg	<0.25	<0.27	<0.25	<0.24	<0.23	0.72	<0.24	0.4	<0.25	<0.25	<0.24	<0.24	<0.25
2-Methylphenol	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.19	<0.2	<0.2	<0.21	<0.21	<0.21	<0.2	<0.2	<0.21
2-Nitrophenol	mg/kg	<0.45	<0.48	<0.44	<0.43	<0.41	<0.43	<0.43	<0.44	<0.46	<0.45	<0.43	<0.43	<0.46
3,3'-Dichlorobenzidine	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.19	<0.2	<0.2	<0.21	<0.21	<0.21	<0.2	<0.2	<0.21
3-Methylphenol/4-Methylphenol	mg/kg	<0.3	<0.32	<0.3	<0.28	<0.28	<0.29	<0.28	<0.3	<0.3	<0.3	<0.29	<0.29	<0.3
4-Bromophenyl phenyl ether	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.19	<0.2	<0.2	<0.21	<0.21	<0.21	<0.2	<0.2	<0.21
4-Chloroaniline	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.19	<0.2	<0.2	<0.21	<0.21	<0.21	<0.2	<0.2	<0.21
4-Nitrophenol	mg/kg	<0.29	<0.31	<0.29	<0.28	<0.27	<0.28	<0.28	<0.29	<0.3	<0.29	<0.28	<0.28	<0.3

TABLE 5
MARINE STOCKPILE SOIL ANALYTICAL RESULTS
Wynn Boston Harboer
1 Horizon Way
Everett, Massachusetts

Analyte	Sample ID Laboratory Work Order Sampling Date	SHORELINE STOCKPILE #7C L1712318/L1712815 4/19/2017	SHORELINE STOCKPILE #7D L1712318/L1712815 4/19/2017	SHORELINE STOCKPILE #7E L1712318/L1712815 4/19/2017	SHORELINE STOCKPILE #7F L1712318/L1712815 4/19/2017	SHORELINE STOCKPILE #7G L1712318/L1712815 4/19/2017	SHORELINE STOCKPILE #5A L1712854/L1713409 4/24/2017	SHORELINE STOCKPILE #5B L1712854/L1713409 4/24/2017	SHORELINE STOCKPILE #5C L1712854/L1713409 4/24/2017	SHORELINE STOCKPILE #5D L1712854/L1713409 4/24/2017	SHORELINE STOCKPILE #5E L1712854/L1713409 4/24/2017	SHORELINE STOCKPILE #6A L1714154/L1714542 5/3/2017	SHORELINE STOCKPILE #6B L1714154/L1714542 5/3/2017	SHORELINE STOCKPILE #6C L1714154/L1714542 5/3/2017
Acenaphthene	mg/kg	<0.17	0.37	1.2	0.17	<0.15	1.8	0.34	0.75	0.17	0.32	<0.16	<0.16	<0.17
Acenaphthylene	mg/kg	<0.17	<0.18	<0.16	<0.16	<0.15	0.17	<0.16	<0.16	<0.17	<0.17	<0.16	<0.16	<0.17
Acetophenone	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.19	<0.2	<0.2	<0.21	<0.21	<0.21	<0.2	<0.2	<0.21
Aniline	mg/kg	<0.25	<0.27	<0.25	<0.24	<0.23	<0.24	<0.24	<0.25	<0.25	<0.25	<0.24	<0.24	<0.25
Anthracene	mg/kg	0.22	0.69	1.3	0.38	0.21	3.4	0.76	1.2	0.4	0.51	0.18	0.21	<0.13
Azobenzene	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.19	<0.2	<0.2	<0.21	<0.21	<0.21	<0.2	<0.2	<0.21
Benzo(a)anthracene	mg/kg	0.49	0.95	0.97	0.76	0.4	4.6	1.3	1.4	0.8	0.52	0.4	0.38	0.21
Benzo(a)pyrene	mg/kg	0.41	0.78	0.64	0.67	0.34	4	1	1.2	0.69	0.4	0.34	0.31	0.18
Benzo(b)fluoranthene	mg/kg	0.58	1	0.91	0.97	0.43	5	1.4	1.5	0.87	0.51	0.43	0.44	0.22
Benzo(ghi)perylene	mg/kg	0.22	0.42	0.31	0.36	0.18	1.8	0.48	0.54	0.33	0.18	0.22	0.2	<0.17
Benzo(k)fluoranthene	mg/kg	0.22	0.33	0.3	0.29	0.16	1.8	0.46	0.51	0.32	0.19	0.15	0.12	<0.13
Bis(2-chloroethoxy)methane	mg/kg	<0.22	<0.24	<0.22	<0.21	<0.21	<0.22	<0.21	<0.22	<0.23	<0.22	<0.21	<0.22	<0.23
Bis(2-chloroethyl)ether	mg/kg	<0.19	<0.2	<0.18	<0.18	<0.17	<0.18	<0.18	<0.18	<0.19	<0.19	<0.18	<0.18	<0.19
Bis(2-chloroisopropyl)ether	mg/kg	<0.25	<0.27	<0.25	<0.24	<0.23	<0.24	<0.24	<0.25	<0.25	<0.25	<0.24	<0.24	<0.25
Bis(2-ethylhexyl)phthalate	mg/kg	1.7	3.3	1.6	2	1.7	<0.2	3.4	1	1.1	0.4	<0.2	<0.2	<0.21
Butyl benzyl phthalate	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.19	<0.2	<0.2	<0.21	<0.21	<0.21	<0.2	<0.2	<0.21
Chrysene	mg/kg	0.43	0.86	0.92	0.72	0.38	3.6	1.1	1.2	0.69	0.42	0.39	0.38	0.21
Dibenzo(a,h)anthracene	mg/kg	<0.12	0.13	<0.12	<0.12	<0.12	0.51	0.15	0.15	<0.13	<0.12	<0.12	<0.12	<0.13
Dibenzofuran	mg/kg	<0.21	0.3	0.6	<0.2	<0.19	1	<0.2	0.48	<0.21	<0.21	<0.2	<0.2	<0.21
Diethyl phthalate	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.19	<0.2	<0.2	<0.21	<0.21	<0.21	<0.2	<0.2	<0.21
Dimethylphthalate	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.19	<0.2	<0.2	<0.21	<0.21	<0.21	<0.2	<0.2	<0.21
Di-n-butylphthalate	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.19	<0.2	<0.2	<0.21	<0.21	<0.21	<0.2	<0.2	<0.21
Di-n-octyl phthalate	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.19	<0.2	<0.2	<0.21	<0.21	<0.21	<0.2	<0.2	<0.21
Fluoranthene	mg/kg	1.1	2.3	3.7	1.8	0.9	9.8	3.4	3.4	1.9	1.4	0.86	0.97	0.44
Fluorene	mg/kg	<0.21	0.42	1	<0.2	<0.19	1.6	0.29	0.69	<0.21	0.31	<0.2	<0.2	<0.21
Hexachlorobenzene	mg/kg	<0.12	<0.13	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.13	<0.12	<0.12	<0.12	<0.13
Hexachlorobutadiene	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.19	<0.2	<0.2	<0.21	<0.21	<0.21	<0.2	<0.2	<0.21
Hexachloroethane	mg/kg	<0.17	<0.18	<0.16	<0.16	<0.15	<0.16	<0.16	<0.16	<0.17	<0.17	<0.16	<0.16	<0.17
Indeno(1,2,3-cd)pyrene	mg/kg	0.26	0.48	0.38	0.41	0.2	1.9	0.63	0.62	0.39	0.24	0.22	0.2	<0.17
Isophorone	mg/kg	<0.19	<0.2	<0.18	<0.18	<0.17	<0.18	<0.18	<0.18	<0.19	<0.19	<0.18	<0.18	<0.19
Naphthalene	mg/kg	<0.21	0.45	1.6	0.21	0.22	1.3	<0.2	0.72	<0.21	<0.21	<0.2	<0.2	<0.21
Nitrobenzene	mg/kg	<0.19	<0.2	<0.18	<0.18	<0.17	<0.18	<0.18	<0.18	<0.19	<0.19	<0.18	<0.18	<0.19
Pentachlorophenol	mg/kg	<0.42	<0.45	<0.41	<0.4	<0.38	<0.4	<0.4	<0.41	<0.42	<0.42	<0.4	<0.4	<0.42
Phenanthrene	mg/kg	0.64	2.4	4.2	1.1	0.75	8.8	2.1	3.2	1.1	1.4	0.63	0.76	0.33
Phenol	mg/kg	<0.21	<0.22	<0.2	<0.2	<0.19	<0.2	<0.2	<0.21	<0.21	<0.21	<0.2	<0.2	<0.21
Pyrene	mg/kg	0.86	1.8	2.6	1.4	0.71	7.5	2.7	2.5	1.4	1	0.77	0.78	0.37
Pyridine	mg/kg	<0.22	<0.24	<0.22	<0.21	<0.21	<0.22	<0.21	<0.22	<0.23	<0.22	<0.21	<0.22	<0.23
Total SVOCs	mg/kg	7.13	16.98	22.23	11.24	6.58	59.3	19.51	21.46	10.16	7.8	4.59	4.75	1.96
Classic Chemistry														
Corrosivity (pH)	SU	7.6	7.5	7.8	7.6	7.7	7.7	7.5	7.3	7.5	7.6	7.9	7.7	8.2
Conductivity	umhos/cm	890	840	790	680	780	430	510	540	810	810	820	1000	910
Flashpoint	deg f	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150
Ignitability	none	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.
Reactive Cyanide	mg/kg	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Reactive Sulfide	mg/kg	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

Notes:
1. Samples in which detected concentrations of a total metals exceeded 20 times the corresponding TCLP regulatory concentration were run for TCLP by EPA method 1311.
2. A < sign indicates that a concentration was below the laboratory reporting limit. A -- indicates that a sample was not analyzed for the corresponding compound.

TABLE 5
MARINE STOCKPILE SOIL ANALYTICAL RESULTS
Wynn Boston Harboer
1 Horizon Way
Everett, Massachusetts

Analyte	Sample ID	SHORELINE STOCKPILE #6D	MIXED PILE #1 (SW)	MIXED PILE #1 (NW)	MIXED PILE #1 (NE)	MIXED PILE #1 (SE)	SHORELINE STOCKPILE #8 (EAST)	SHORELINE STOCKPILE #8 (WEST)	MARINE 9A	MARINE 9B	MARINE 9C	MARINE 9D	MARINE 9E	MARINE 9F
	Laboratory Work Order	L1714154/L1714542	L1714964	L1714964/L1715298	L1714964/L1715298	L1714964/L1715298	L1715741/L1716175	L1715741/L1716175	L1720963/L1721744	L1720963/L1721744	L1720963/L1721744	L1720963/L1721744	L1720963/L1721744	L1720963/L1721744
	Sampling Date	5/3/2017	5/9/2017	5/9/2017	5/9/2017	5/9/2017	5/15/2017	5/15/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017	6/21/2017
Total Metals	Units													
Antimony	mg/kg	59	< 2.1	18	3.5	52	2.8	< 2.5	20.6	20.6	27.7	13.4	13.2	11.4
Arsenic	mg/kg	170	4.5	140	38	170	24	26	98.4	102	149	51.4	61.6	106
Barium	mg/kg	110	44	91	51	82	28	29	82.2	106	104	80.3	69.2	71.4
Beryllium	mg/kg	< 0.26	< 0.21	0.61	0.27	< 0.21	< 0.22	< 0.25	< 0.241	< 0.27	< 0.269	< 0.244	< 0.236	< 0.239
Cadmium	mg/kg	3.6	< 0.42	1.8	1.4	2.3	< 0.45	< 0.51	0.819	5.21	2.54	2.8	3.48	2.24
Chromium	mg/kg	20	7.4	35	13	14	18	18	24.8	25.8	17	17.4	17.2	13.4
Lead	mg/kg	2800	75	1200	240	2100	120	150	1260	823	1160	479	483	447
Mercury	mg/kg	77.1	0.387	4.1	0.292	3.95	0.913	0.643	8.07	1.92	1.99	1.31	1.07	1.41
Nickel	mg/kg	10	5.5	23	10	12	11	9.3	10.6	9.29	11.6	6.68	7.26	6.88
Selenium	mg/kg	3.1	< 2.1	21	4	10	< 2.2	< 2.5	62.3	6.24	14.4	5.87	3.74	3.9
Silver	mg/kg	13	< 0.42	5.1	0.62	9.2	< 0.45	< 0.51	1.37	4.1	4.49	3.73	3.88	1.21
Thallium	mg/kg	< 2.6	< 2.1	< 2.1	< 2.2	< 2.1	< 2.2	< 2.5	< 2.41	< 2.7	< 2.69	< 2.44	< 2.36	< 2.39
Vanadium	mg/kg	22	8.9	60	58	42	18	19	20.8	26.3	19.6	19.4	18.6	18.4
Zinc	mg/kg	290	21	290	300	860	110	220	194	399	388	372	619	612
Metals by Toxicity Characteristic Leaching Procedure (TCLP)														
Arsenic, TCLP	mg/l	< 1.0	--	< 1.0	--	< 1.0	--	--	--	< 1.00	< 1.00	--	--	< 1.00
Lead, TCLP	mg/l	16	--	2.2	1	1.5	0.507	0.669	0.968	5.01	6.09	0.504	1.29	< 0.500
Mercury, TCLP	mg/l	< 0.0010	--	< 0.0010	--	--	--	--	0.1295	--	--	--	--	--
Selenium, TCLP	mg/l	--	--	< 0.50	--	--	--	--	< 0.500	--	--	--	--	--
Herbicides														
2,4,5-T	mg/kg	<0.043	<0.037	<0.035	<0.038	<0.034	<0.039	<0.043	<2	<0.045	<0.045	<0.041	<0.039	<0.04
2,4,5-TP (Silvex)	mg/kg	<0.043	<0.037	<0.035	<0.038	<0.034	<0.039	<0.043	<2	<0.045	<0.045	<0.041	<0.039	<0.04
2,4-D	mg/kg	<0.043	<0.037	<0.035	<0.038	<0.034	<0.039	<0.043	<2	<0.045	<0.045	<0.041	<0.039	<0.04
2,4-DB	mg/kg	<0.043	<0.037	<0.035	<0.038	<0.034	<0.039	<0.043	<2	<0.045	<0.045	<0.041	<0.039	<0.04
Dalapon	mg/kg	<0.043	<0.037	<0.035	<0.038	<0.034	<0.039	<0.043	<2	<0.045	<0.045	<0.041	<0.039	<0.04
Dicamba	mg/kg	<0.043	<0.037	<0.035	<0.038	<0.034	<0.039	<0.043	<2	<0.045	<0.045	<0.041	<0.039	<0.04
Dichlorprop	mg/kg	<0.043	<0.037	<0.035	<0.038	<0.034	<0.039	<0.043	<2	<0.045	<0.045	<0.041	<0.039	<0.04
Dinoseb	mg/kg	<0.043	<0.037	<0.035	<0.038	<0.034	<0.039	<0.043	<2	<0.045	<0.045	<0.041	<0.039	<0.04
MCPA	mg/kg	<4.3	<3.7	<3.5	<3.8	<3.4	<3.9	<4.3	<200	<4.5	<4.5	<4.1	<3.9	<4
MCPP	mg/kg	<4.3	<3.7	<3.5	<3.8	<3.4	<3.9	<4.3	<200	<4.5	<4.5	<4.1	<3.9	<4
Total Herbicides	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides														
4,4'-DDD	mg/kg	<0.0105	<0.00879	<0.00861	<0.00883	<0.00816	<0.00935	<0.0104	<0.192	<0.0109	<0.0108	<0.486	<0.00941	<0.00968
4,4'-DDE	mg/kg	<0.0105	<0.00879	<0.00861	<0.00883	<0.00816	<0.00935	<0.0104	<0.192	<0.0109	<0.0108	<0.486	<0.00941	<0.00968
4,4'-DDT	mg/kg	0.0354	<0.0165	<0.0161	<0.0165	<0.0153	<0.0175	<0.0194	<0.361	0.0304	0.0208	<0.911	0.0178	1.28
Aldrin	mg/kg	<0.0105	<0.00879	<0.00861	<0.00883	<0.00816	<0.00935	<0.0104	<0.192	<0.0109	<0.0108	<0.486	<0.00941	<0.00968
alpha-BHC	mg/kg	<0.00436	<0.00366	<0.00359	<0.00368	<0.0034	<0.0039	<0.00431	<0.0802	<0.00453	<0.00451	<0.202	<0.00392	<0.00403
beta-BHC	mg/kg	<0.0105	<0.00879	<0.00861	<0.00883	<0.00816	<0.00935	<0.0104	<0.192	<0.0109	<0.0108	<0.486	<0.00941	<0.00968
Chlordane	mg/kg	<0.085	<0.0714	<0.07	<0.0717	<0.0663	<0.076	<0.0841	<1.56	<0.0883	<0.088	<3.95	<0.0764	<0.0787
delta-BHC	mg/kg	<0.0105	<0.00879	<0.00861	<0.00883	<0.00816	<0.00935	<0.0104	<0.192	<0.0109	<0.0108	<0.486	<0.00941	<0.00968
Dieldrin	mg/kg	0.00941	0.0692	<0.00538	<0.00552	<0.0051	<0.00585	<0.00647	<0.12	0.0116	0.0305	<0.304	<0.00588	0.0676
Endosulfan I	mg/kg	<0.0105	<0.00879	<0.00861	<0.00883	<0.00816	<0.00935	<0.0104	<0.192	<0.0109	<0.0108	<0.486	<0.00941	<0.00968
Endosulfan II	mg/kg	<0.0105	<0.00879	0.012	<0.00883	0.00935	<0.00935	<0.0104	<0.192	<0.0109	<0.0108	<0.486	<0.00941	0.062
Endosulfan sulfate	mg/kg	<0.00436	<0.00366	<0.00359	<0.00368	<0.0034	<0.0039	<0.00431	<0.0802	<0.00453	<0.00451	<0.202	<0.00392	<0.00403
Endrin	mg/kg	<0.00436	<0.00366	<0.00359	<0.00368	<0.0034	<0.0039	<0.00431	<0.0802	<0.00453	<0.00451	<0.202	<0.00392	<0.00403
Endrin ketone	mg/kg	<0.0105	<0.00879	<0.00861	<0.00883	<0.00816	<0.00935	<0.0104	<0.192	<0.0109	<0.0108	<0.486	<0.00941	<0.00968
Heptachlor	mg/kg	<0.00523	<0.00439	<0.0043	<0.00441	<0.00408	<0.00468	<0.00518	<0.0962	<0.00543	<0.00541	<0.243	<0.0047	<0.00484
Heptachlor epoxide	mg/kg	<0.0196	<0.0165	<0.0161	<0.0165	<0.0153	<0.0175	<0.0194	<0.361	<0.0204	<0.0203	<0.911	<0.0176	<0.0182
Hexachlorobenzene	mg/kg	<0.0105	<0.00879	<0.00861	<0.00883	<0.00816	<0.00935	<0.0104	<0.192	<0.0109	<0.0108	<0.486	<0.00941	<0.00968
Lindane	mg/kg	<0.00349	<0.00293	<0.00287	<0.00294	<0.00272	<0.00312	<0.00345	<0.0642	<0.00362	<0.00361	<0.162	<0.00314	<0.00323
Methoxychlor	mg/kg	<0.0196	0.0758	<0.0161	<0.0165	<0.0153	<0.0175	<0.0194	<0.361	<0.0204	<0.0203	<0.911	<0.0176	<0.0182
Toxaphene	mg/kg	<0.196	<0.165	<0.161	<0.165	<0.153	<0.175	<0.194	<3.61	<0.204	<0.203	<9.11	<0.176	<0.182
Total Pesticides	mg/kg	0.04481	0.145	0.012	ND	0.00935	ND	ND	ND	0.042	0.0513	ND	0.0178	1.4096
Polychlorinated Biphenyls														
Aroclor 1016	mg/kg	<0.0423	<0.177	<0.0341	<0.037	<0.0334	<0.0378	<0.0426	<0.0384	<0.0451	<0.0435	<0.0397	<0.0385	<0.392
Aroclor 1221	mg/kg	<0.0423	<0.177	<0.0341	<0.037	<0.0334	<0.0378	<0.0426	<0.0384	<0.0451	<0.0435	<0.0397	<0.0385	<0.392
Aroclor 1232	mg/kg	<0.0423	<0.177	<0.0341	<0.037	<0.0334	<0.0378	<0.0426	<0.0384	<0.0451	<0.0435	<0.0397	<0.0385	<0.392
Aroclor 1242	mg/kg	<0.0423	<0.177	<0.0341	<0.037	<0.0334	<0.0378	<0.0426	<0.0384	<0.0451	<0.0435	<0.0397	<0.0385	<0.392
Aroclor 1248	mg/kg	<0.0423	<0.177	<0.0341	<0.037	<0.0334	<0.0378	<0.0426	<0.0384	<0.0451	<0.0435	<0.0397	<0.0385	<0.392
Aroclor 1254	mg/kg	0.117	2.03	0.275	0.332	0.354	0.0642	<0.0426	0.462	0.191	0.55	0.369	0.514	2.52
Aroclor 1260	mg/kg	0.0972	0.915	0.132	0.152	0.216	0.048	<0.0426	<0.0384	<0.0451	<0.0435	<0.0397	<0.0385	<0.392
Aroclor 1262	mg/kg	<0.0423	<0.177	<0.0341	<0.037	<0.0334	<0.0378	<0.0426	<0.0384	<0.0451	<0.0435	<0.0397	<0.0385	<0.392
Aroclor 1268	mg/kg	0.0859	<0.177	<0.0341	<0.037	0.0838	<0.0378	<0.0426	<0.0384	<0.0451	<0.0435	<0.0397	<0.0385	<0.392
Total PCBs	mg/kg	0.3001	2.945	0.407	0.484	0.6538	0.1122	ND	0.462	0.191	0.55	0.369	0.514	2.52
Total Petroleum Hydrocarbons	mg/kg	154	96	485	381	426	194	356	337	442	252	173	173	306
Volatile Organic Compounds														
1,1,1,2-Tetrachloroethane	mg/kg	<0.061	<0.00065	<0.035	<0.034	<0.025	<0.00091	<0.00076	<0.00074	<0.00083	<0.00096	<0.00082	<0.0007	<0.00078
1,1,1-Trichloroethane	mg/kg	<0.061	<0.00065	<0.035	<0.034	<0.025	<0.00091	<0.00076	<0.00074	<0.00083	<0.00096	<0.00082	<0.0007	<0.00078
1,1,2,2-Tetrachloroethane	mg/kg	<0.061	<0.00065	<0.035	<0.034	<0.025	<0.00091	<0.00076	<0.00074	<0.00083	<0.00096	<0.00082	<0.0007	<0.00078
1,1,2-Trichloroethane	mg/kg	<0.091	<0.00098	<0.052	<0.052	<0.037	<0.0014	<0.0011	<0.0011	<0.0012	<0.0014	<0.0012	<0.001	<0.0012
1,1-Dichloroethane	mg/kg	<0.091	<0.00098	<0.052	<0.052	<0.037	<0.0014	<0.0011	<0.0011	<0.0012	<0.0014	<0.0012	<0.001	<0.0012
1,1-Dichloroethene	mg/kg	<0.061	<0.00065	<0.035	<0.034	<0.025	<0.00091	<0.00076	<0.00074	<0.00083	<0.00096	<0.00082	<0.0007	<0.00078
1,1-Dichloropropene	mg/kg	<0.24	<0.0026	<0.14	<0.14	<0.1	<0.0036	<0.003	<0.003	<0.0033	<0.0038	<0.0033	<0.0028	<0.0031
1,2,3-Trichlorobenzene	mg/kg	<0.24	<0.0026	<0.14	<0.14	<0.1	<0.0036	<0.003	<0.003	<0.0033	<0.0038	<0.0033	<0.0028	<0.0031
1,2,3-Trichloropropane	mg/kg	<0.24	<0.0026	<0.14	<0.14	<0.1	<0.0036	<0.003	<0.003	<0.0033	<0.0038	<0.0033	<0.0028	<0.0031
1,2,4-Trichlorobenzene	mg/kg	<0.24	<0.0026	<0.14	<0.14	<0.1	<0.0036	<0.003	<0.003	<0.0033	<0.0038	<0.0033	<0.0028	<0.0031
1,2,4-Trimethylbenzene	mg/kg	<0.24	<0.0026	<0.14	<0.14	<0.1	<0.0036	<0.003	<0.003	<0.0033	<0.0038	<0.0033	<0.0028	<0.0031
1,2-Dibromo-3-chloropropane	mg/kg	<0.24	<0.0026	<0.14	<0.14	<0.1	<0.0036	<0.003	<0.003	<0.0033	<0.0038	<0.0033	<0.0028	<0.0031
1,2-Dibromoethane	mg/kg	<0.24	<0.0026	<0.14	<0.14	<0.1	<0.0036	<0.003	<0.003	<0.0033	<0.0038	<0.0033	<0.0028	<0.0031

TABLE 5
MARINE STOCKPILE SOIL ANALYTICAL RESULTS

Wynn Boston Harboer
1 Horizon Way
Everett, Massachusetts

Analyte	Sample ID Laboratory Work Order Sampling Date	SHORELINE STOCKPILE #6D L1714154/L1714542 5/3/2017	MIXED PILE #1 (SW) L1714964 5/9/2017	MIXED PILE #1 (NW) L1714964/L1715298 5/9/2017	MIXED PILE #1 (NE) L1714964/L1715298 5/9/2017	MIXED PILE #1 (SE) L1714964/L1715298 5/9/2017	SHORELINE STOCKPILE #8 (EAST) L1715741/L1716175 5/15/2017	SHORELINE STOCKPILE #8 (WEST) L1715741/L1716175 5/15/2017	MARINE 9A L1720963/L1721744 6/21/2017	MARINE 9B L1720963/L1721744 6/21/2017	MARINE 9C L1720963/L1721744 6/21/2017	MARINE 9D L1720963/L1721744 6/21/2017	MARINE 9E L1720963/L1721744 6/21/2017	MARINE 9F L1720963/L1721744 6/21/2017
1,2-Dichlorobenzene	mg/kg	<0.24	<0.0026	<0.14	<0.14	<0.1	<0.0036	<0.003	<0.003	<0.0033	<0.0038	<0.0033	<0.0028	<0.0031
1,2-Dichloroethane	mg/kg	<0.061	<0.00065	<0.035	<0.034	<0.025	<0.00091	<0.00076	<0.00074	<0.00083	<0.00096	<0.00082	<0.0007	<0.00078
1,2-Dichloropropane	mg/kg	<0.21	<0.0023	<0.12	<0.12	<0.087	<0.0032	<0.0027	<0.0026	<0.0029	<0.0034	<0.0029	<0.0024	<0.0027
1,3,5-Trimethylbenzene	mg/kg	<0.24	<0.0026	<0.14	<0.14	<0.1	<0.0036	<0.003	<0.003	<0.0033	<0.0038	<0.0033	<0.0028	<0.0031
1,3-Dichlorobenzene	mg/kg	<0.24	<0.0026	<0.14	<0.14	<0.1	<0.0036	<0.003	<0.003	<0.0033	<0.0038	<0.0033	<0.0028	<0.0031
1,3-Dichloropropane	mg/kg	<0.24	<0.0026	<0.14	<0.14	<0.1	<0.0036	<0.003	<0.003	<0.0033	<0.0038	<0.0033	<0.0028	<0.0031
1,4-Dichlorobenzene	mg/kg	<0.24	<0.0026	<0.14	<0.14	<0.1	<0.0036	<0.003	<0.003	<0.0033	<0.0038	<0.0033	<0.0028	<0.0031
1,4-Dioxane	mg/kg	<2.4	<0.026	<1.4	<1.4	<1	<0.036	<0.03	<0.03	<0.033	<0.038	<0.033	<0.028	<0.031
2,2-Dichloropropane	mg/kg	<0.3	<0.0032	<0.17	<0.17	<0.12	<0.0046	<0.0038	<0.0037	<0.0042	<0.0048	<0.0041	<0.0035	<0.0039
2-Butanone	mg/kg	<0.61	<0.0065	<0.35	<0.34	<0.25	<0.0091	<0.0076	<0.0074	<0.0083	<0.0096	<0.0082	<0.007	<0.0078
2-Hexanone	mg/kg	<0.61	<0.0065	<0.35	<0.34	<0.25	<0.0091	<0.0076	<0.0074	<0.0083	<0.0096	<0.0082	<0.007	<0.0078
4-Methyl-2-pentanone	mg/kg	<0.61	<0.0065	<0.35	<0.34	<0.25	<0.0091	<0.0076	<0.0074	<0.0083	<0.0096	<0.0082	<0.007	<0.0078
Acetone	mg/kg	<2.2	<0.023	<1.2	<1.2	<0.9	<0.033	<0.027	0.04	<0.03	<0.034	<0.03	0.053	<0.028
Benzene	mg/kg	<0.061	<0.00065	<0.035	<0.034	<0.025	<0.00091	<0.00076	0.00096	0.00093	<0.00096	<0.00082	<0.0007	<0.00078
Bromobenzene	mg/kg	<0.3	<0.0032	<0.17	<0.17	<0.12	<0.0046	<0.0038	<0.0037	<0.0042	<0.0048	<0.0041	<0.0035	<0.0039
Bromochloromethane	mg/kg	<0.24	<0.0026	<0.14	<0.14	<0.1	<0.0036	<0.003	<0.003	<0.0033	<0.0038	<0.0033	<0.0028	<0.0031
Bromodichloromethane	mg/kg	<0.061	<0.00065	<0.035	<0.034	<0.025	<0.00091	<0.00076	<0.00074	<0.00083	<0.00096	<0.00082	<0.0007	<0.00078
Bromoform	mg/kg	<0.24	<0.0026	<0.14	<0.14	<0.1	<0.0036	<0.003	<0.003	<0.0033	<0.0038	<0.0033	<0.0028	<0.0031
Bromomethane	mg/kg	<0.12	<0.0013	<0.07	<0.069	<0.05	<0.0018	<0.0015	<0.0015	<0.0017	<0.0019	<0.0016	<0.0014	<0.0016
Carbon disulfide	mg/kg	<0.24	<0.0026	<0.14	<0.14	<0.1	<0.0036	<0.003	0.012	<0.0033	0.0038	<0.0033	<0.0028	<0.0031
Carbon tetrachloride	mg/kg	<0.061	<0.00065	<0.035	<0.034	<0.025	<0.00091	<0.00076	<0.00074	<0.00083	<0.00096	<0.00082	<0.0007	<0.00078
Chlorobenzene	mg/kg	<0.061	<0.00065	<0.035	<0.034	<0.025	<0.00091	<0.00076	<0.00074	<0.00083	<0.00096	<0.00082	<0.0007	<0.00078
Chloroethane	mg/kg	<0.12	<0.0013	<0.07	<0.069	<0.05	<0.0018	<0.0015	<0.0015	<0.0017	<0.0019	<0.0016	<0.0014	<0.0016
Chloroform	mg/kg	<0.091	<0.00098	<0.052	<0.052	<0.037	<0.0014	<0.0011	<0.0011	<0.0012	<0.0014	<0.0012	<0.001	<0.0012
Chloromethane	mg/kg	<0.24	<0.0026	<0.14	<0.14	<0.1	<0.0036	<0.003	<0.003	<0.0033	<0.0038	<0.0033	<0.0028	<0.0031
cis-1,2-Dichloroethene	mg/kg	<0.061	<0.00065	<0.035	<0.034	<0.025	<0.00091	<0.00076	<0.00074	<0.00083	<0.00096	<0.00082	<0.0007	<0.00078
cis-1,3-Dichloropropene	mg/kg	<0.061	<0.00065	<0.035	<0.034	<0.025	<0.00091	<0.00076	<0.00074	<0.00083	<0.00096	<0.00082	<0.0007	<0.00078
Dibromochloromethane	mg/kg	<0.061	<0.00065	<0.035	<0.034	<0.025	<0.00091	<0.00076	<0.00074	<0.00083	<0.00096	<0.00082	<0.0007	<0.00078
Dibromomethane	mg/kg	<0.24	<0.0026	<0.14	<0.14	<0.1	<0.0036	<0.003	<0.003	<0.0033	<0.0038	<0.0033	<0.0028	<0.0031
Dichlorodifluoromethane	mg/kg	<0.61	<0.0065	<0.35	<0.34	<0.25	<0.0091	<0.0076	<0.0074	<0.0083	<0.0096	<0.0082	<0.007	<0.0078
Diethyl ether	mg/kg	<0.3	<0.0032	<0.17	<0.17	<0.12	<0.0046	<0.0038	<0.0037	<0.0042	<0.0048	<0.0041	<0.0035	<0.0039
Di-isopropyl ether	mg/kg	<0.24	<0.0026	<0.14	<0.14	<0.1	<0.0036	<0.003	<0.003	<0.0033	<0.0038	<0.0033	<0.0028	<0.0031
Ethyl tertiary-butyl ether	mg/kg	<0.24	<0.0026	<0.14	<0.14	<0.1	<0.0036	<0.003	<0.003	<0.0033	<0.0038	<0.0033	<0.0028	<0.0031
Ethylbenzene	mg/kg	<0.061	<0.00065	<0.035	<0.034	<0.025	<0.00091	<0.00076	<0.00074	<0.00083	<0.00096	<0.00082	<0.0007	<0.00078
Hexachlorobutadiene	mg/kg	<0.24	<0.0026	<0.14	<0.14	<0.1	<0.0036	<0.003	<0.003	<0.0033	<0.0038	<0.0033	<0.0028	<0.0031
Isopropylbenzene	mg/kg	<0.061	<0.00065	<0.035	<0.034	<0.025	<0.00091	<0.00076	<0.00074	<0.00083	<0.00096	<0.00082	<0.0007	<0.00078
Methyl tert-butyl ether	mg/kg	<0.12	<0.0013	<0.07	<0.069	<0.05	<0.0018	<0.0015	<0.0015	<0.0017	<0.0019	<0.0016	<0.0014	<0.0016
Methylene chloride	mg/kg	<0.61	<0.0065	<0.35	<0.34	<0.25	<0.0091	<0.0076	<0.0074	<0.0083	<0.0096	<0.0082	<0.007	<0.0078
Naphthalene	mg/kg	<0.24	<0.0026	<0.14	0.23	0.18	<0.0036	<0.003	<0.003	<0.0033	<0.0038	<0.0033	<0.0028	<0.0031
n-Butylbenzene	mg/kg	<0.061	<0.00065	<0.035	<0.034	<0.025	<0.00091	<0.00076	<0.00074	<0.00083	<0.00096	<0.00082	<0.0007	<0.00078
n-Propylbenzene	mg/kg	<0.061	<0.00065	<0.035	<0.034	<0.025	<0.00091	<0.00076	<0.00074	<0.00083	<0.00096	<0.00082	<0.0007	<0.00078
o-Chlorotoluene	mg/kg	<0.24	<0.0026	<0.14	<0.14	<0.1	<0.0036	<0.003	<0.003	<0.0033	<0.0038	<0.0033	<0.0028	<0.0031
o-Xylene	mg/kg	<0.12	<0.0013	<0.07	<0.069	<0.05	<0.0018	<0.0015	<0.0015	<0.0017	<0.0019	<0.0016	<0.0014	<0.0016
p/m-Xylenes	mg/kg	<0.12	<0.0013	<0.07	<0.069	<0.05	<0.0018	<0.0015	0.0021	0.002	0.0021	<0.0016	<0.0014	<0.0016
p-Chlorotoluene	mg/kg	<0.24	<0.0026	<0.14	<0.14	<0.1	<0.0036	<0.003	<0.003	<0.0033	<0.0038	<0.0033	<0.0028	<0.0031
p-Isopropyltoluene	mg/kg	<0.061	<0.00065	<0.035	<0.034	<0.025	<0.00091	<0.00076	<0.00074	<0.00083	0.0035	<0.00082	<0.0007	<0.00078
sec-Butylbenzene	mg/kg	<0.061	<0.00065	<0.035	<0.034	<0.025	<0.00091	<0.00076	<0.00074	<0.00083	<0.00096	<0.00082	<0.0007	<0.00078
Styrene	mg/kg	<0.12	<0.0013	<0.07	<0.069	<0.05	<0.0018	<0.0015	<0.0015	<0.0017	<0.0019	<0.0016	<0.0014	<0.0016
Tert-amyl methyl ether	mg/kg	<0.24	<0.0026	<0.14	<0.14	<0.1	<0.0036	<0.003	<0.003	<0.0033	<0.0038	<0.0033	<0.0028	<0.0031
Tert-Butylbenzene	mg/kg	<0.24	<0.0026	<0.14	<0.14	<0.1	<0.0036	<0.003	<0.003	<0.0033	<0.0038	<0.0033	<0.0028	<0.0031
Tetrachloroethene	mg/kg	<0.061	<0.00065	<0.035	<0.034	<0.025	<0.00091	<0.00076	<0.00074	<0.00083	<0.00096	<0.00082	<0.0007	<0.00078
Tetrahydrofuran	mg/kg	<0.24	<0.0026	<0.14	<0.14	<0.1	<0.0036	<0.003	<0.003	<0.0033	<0.0038	<0.0033	<0.0028	<0.0031
Toluene	mg/kg	<0.091	<0.00098	<0.052	<0.052	<0.037	<0.0014	<0.0011	0.0018	<0.0012	<0.0014	<0.0012	<0.001	<0.0012
trans-1,2-Dichloroethene	mg/kg	<0.091	<0.00098	<0.052	<0.052	<0.037	<0.0014	<0.0011	<0.0011	<0.0012	<0.0014	<0.0012	<0.001	<0.0012
trans-1,3-Dichloropropene	mg/kg	<0.061	<0.00065	<0.035	<0.034	<0.025	<0.00091	<0.00076	<0.00074	<0.00083	<0.00096	<0.00082	<0.0007	<0.00078
Trichloroethene	mg/kg	<0.061	<0.00065	<0.035	<0.034	<0.025	<0.00091	<0.00076	<0.00074	<0.00083	<0.00096	<0.00082	<0.0007	<0.00078
Trichlorofluoromethane	mg/kg	<0.24	<0.0026	<0.14	<0.14	<0.1	<0.0036	<0.003	<0.003	<0.0033	<0.0038	<0.0033	<0.0028	<0.0031
Vinyl chloride	mg/kg	<0.12	<0.0013	<0.07	<0.069	<0.05	<0.0018	<0.0015	<0.0015	<0.0017	<0.0019	<0.0016	<0.0014	<0.0016
Xylenes, Total	mg/kg	<0.12	<0.0013	<0.07	<0.069	<0.05	<0.0018	<0.0015	0.0021	0.002	0.0021	<0.0016	<0.0014	<0.0016
Total VOCs	mg/kg	ND	ND	ND	0.23	0.18	ND	ND	0.05896	0.00493	0.0115	ND	0.053	ND
Semi-Volatile Organic Compounds														
1,2,4-Trichlorobenzene	mg/kg	<0.22	<0.18	<0.88	<0.18	<0.35	<0.2	<0.22	<0.2	<0.23	<0.22	<0.21	<0.2	<0.2
1,2-Dichlorobenzene	mg/kg	<0.22	<0.18	<0.88	<0.18	<0.35	<0.2	<0.22	<0.2	<0.23	<0.22	<0.21	<0.2	<0.2
1,3-Dichlorobenzene	mg/kg	<0.22	<0.18	<0.88	<0.18	<0.35	<0.2	<0.22	<0.2	<0.23	<0.22	<0.21	<0.2	<0.2
1,4-Dichlorobenzene	mg/kg	<0.22	<0.18	<0.88	<0.18	<0.35	<0.2	<0.22	<0.2	<0.23	<0.22	<0.21	<0.2	<0.2
2,4,5-Trichlorophenol	mg/kg	<0.22	<0.18	<0.88	<0.18	<0.35	<0.2	<0.22	<0.2	<0.23	<0.22	<0.21	<0.2	<0.2
2,4,6-Trichlorophenol	mg/kg	<0.13	<0.11	<0.53	<0.11	<0.21	<0.12	<0.13	<0.12	<0.14	<0.14	<0.12	<0.12	<0.12
2,4-Dichlorophenol	mg/kg	<0.19	<0.16	<0.8	<0.17	<0.31	<0.18	<0.2	<0.18	<0.2	<0.2	<0.19	<0.18	<0.18
2,4-Dimethylphenol	mg/kg	<0.22	<0.18	<0.88	<0.18	<0.35	<0.2	<0.22	<0.2	<0.23	<0.22	<0.21	<0.2	<0.2
2,4-Dinitrophenol	mg/kg	<1	<0.88	<4.2	<0.89	<1.7	<0.95	<1	<0.97	<1.1	<1.1	<1	<0.94	<0.96
2,4-Dinitrotoluene	mg/kg	<0.22	<0.18	<0.88	<0.18	<0.35	<0.2	<0.22	<0.2	<0.23	<0.22	<0.21	<0.2	<0.2
2,6-Dinitrotoluene	mg/kg	<0.22	<0.18	<0.88	<0.18	<0.35	<0.2	<0.22	<0.2	<0.23	<0.22	<0.21	<0.2	<0.2
2-Chloronaphthalene	mg/kg	<0.22	<0.18	<0.88	<0.18	<0.35	<0.2	<0.22	<0.2	<0.23	<0.22	<0.21	<0.2	<0.2
2-Chlorophenol	mg/kg	<0.22	<0.18	<0.88	<0.18	<0.35	<0.2	<0.22	<0.2	<0.23	<0.22	<0.21	<0.2	<0.2
2-Methylnaphthalene	mg/kg	<0.26	<0.22	<1.1	<0.22	<0.42	<0.24	<0.26	<0.24	0.57	<0.27	<0.25	<0.24	<0.24
2-Methylphenol	mg/kg	<0.22	<0.18	<0.88	<0.18	<0.35	<0.2	<0.22	<0.2	<0.23	<0.22	<0.21	<0.2	<0.2
2-Nitrophenol	mg/kg	<0.47	<0.39	<1.9	<0.4	<0.75	<0.43	<0.47	<0.44	<0.49	<0.49	<0.45	<0.42	<0.43
3,3'-Dichlorobenzidine	mg/kg	<0.22	<0.18	<0.88	<0.18	<0.35	<0.2	<0.22	<0.2	<0.23	<0.22	<0.21	<0.2	<0.2
3-Methylphenol/4-Methylphenol	mg/kg	<0.31	<0.26	<1.3	<0.27	<0.5	<0.28	<0.31	<0.29	<0.33	<0.32	<0.3	<0.28	<0.29
4-Bromophenyl phenyl ether	mg/kg	<0.22	<0.18	<0.88	<0.18	<0.35	<0.2	<0.22	<0.2	<0.23	<0.22	<0.21	<0.2	<0.2
4-Chloroaniline	mg/kg	<0.22	<0.18	<0.88	<0.18	<0.35	<0.2	<0.22	<0.2	<0.23	<0.22	<0.21	<0.2	<0.2
4-Nitrophenol	mg/kg	<0.3	<0.26	<1.2	<0.26	<0.48	<0.28	<0.3	<0.28	<0.32	<0.32	<0.29	<0.28	<0.28

TABLE 5
MARINE STOCKPILE SOIL ANALYTICAL RESULTS
Wynn Boston Harboer
1 Horizon Way
Everett, Massachusetts

Analyte	Sample ID Laboratory Work Order Sampling Date	SHORELINE STOCKPILE #6D L1714154/L1714542 5/3/2017	MIXED PILE #1 (SW) L1714964 5/9/2017	MIXED PILE #1 (NW) L1714964/L1715298 5/9/2017	MIXED PILE #1 (NE) L1714964/L1715298 5/9/2017	MIXED PILE #1 (SE) L1714964/L1715298 5/9/2017	SHORELINE STOCKPILE #8 (EAST) L1715741/L1716175 5/15/2017	SHORELINE STOCKPILE #8 (WEST) L1715741/L1716175 5/15/2017	MARINE 9A L1720963/L1721744 6/21/2017	MARINE 9B L1720963/L1721744 6/21/2017	MARINE 9C L1720963/L1721744 6/21/2017	MARINE 9D L1720963/L1721744 6/21/2017	MARINE 9E L1720963/L1721744 6/21/2017	MARINE 9F L1720963/L1721744 6/21/2017
Acenaphthene	mg/kg	0.17	<0.14	1.2	0.29	0.4	<0.16	<0.17	<0.16	0.93	<0.18	<0.17	<0.16	<0.16
Acenaphthylene	mg/kg	<0.17	<0.14	<0.71	<0.15	0.33	<0.16	<0.17	<0.16	0.29	<0.18	<0.17	0.2	0.2
Acetophenone	mg/kg	<0.22	<0.18	<0.88	<0.18	<0.35	<0.2	<0.22	<0.2	<0.23	<0.22	<0.21	<0.2	<0.2
Aniline	mg/kg	<0.26	<0.22	<1.1	<0.22	<0.42	<0.24	<0.26	<0.24	<0.27	<0.27	<0.25	<0.24	<0.24
Anthracene	mg/kg	0.75	0.25	2.1	0.75	1.3	0.22	0.16	0.33	2	0.27	0.22	0.34	0.43
Azobenzene	mg/kg	<0.22	<0.18	<0.88	<0.18	<0.35	<0.2	<0.22	<0.2	<0.23	<0.22	<0.21	<0.2	<0.2
Benzo(a)anthracene	mg/kg	1	0.82	5	1.9	3.7	0.4	0.33	0.56	3.5	0.82	0.62	0.97	1.2
Benzo(a)pyrene	mg/kg	0.8	0.55	4.5	1.6	3.4	0.34	0.32	0.47	2.9	0.82	0.57	0.96	1.1
Benzo(b)fluoranthene	mg/kg	0.99	1.1	5.9	2.1	4.8	0.43	0.38	0.66	3.6	0.98	0.77	1.1	1.4
Benzo(ghi)perylene	mg/kg	0.48	0.4	2.8	0.84	2.1	0.18	0.18	0.3	1.8	0.51	0.36	0.46	0.65
Benzo(k)fluoranthene	mg/kg	0.39	0.31	2.3	0.72	1.7	0.13	<0.13	0.21	1.4	0.31	0.24	0.43	0.57
Bis(2-chloroethoxy)methane	mg/kg	<0.23	<0.2	<0.95	<0.2	<0.37	<0.21	<0.24	<0.22	<0.24	<0.24	<0.22	<0.21	<0.22
Bis(2-chloroethyl)ether	mg/kg	<0.19	<0.16	<0.8	<0.17	<0.31	<0.18	<0.2	<0.18	<0.2	<0.2	<0.19	<0.18	<0.18
Bis(2-chloroisopropyl)ether	mg/kg	<0.26	<0.22	<1.1	<0.22	<0.42	<0.24	<0.26	<0.24	<0.27	<0.27	<0.25	<0.24	<0.24
Bis(2-ethylhexyl)phthalate	mg/kg	<0.22	0.91	<0.88	1.9	8.8	2.2	0.84	0.37	0.65	0.78	0.88	2.3	5.6
Butyl benzyl phthalate	mg/kg	<0.22	<0.18	<0.88	<0.18	<0.35	<0.2	<0.22	<0.2	<0.23	<0.22	<0.21	<0.2	<0.2
Chrysene	mg/kg	0.94	1	4.7	1.7	3.6	0.4	0.32	0.6	3.4	0.82	0.74	0.96	1.2
Dibenzo(a,h)anthracene	mg/kg	0.14	0.15	0.84	0.26	0.59	<0.12	<0.13	<0.12	0.53	0.14	<0.12	0.12	0.21
Dibenzofuran	mg/kg	<0.22	<0.18	<0.88	<0.18	0.36	<0.2	<0.22	<0.2	1	<0.22	<0.21	<0.2	<0.2
Diethyl phthalate	mg/kg	<0.22	<0.18	<0.88	<0.18	<0.35	<0.2	<0.22	<0.2	<0.23	<0.22	<0.21	<0.2	<0.2
Dimethylphthalate	mg/kg	<0.22	<0.18	<0.88	<0.18	<0.35	<0.2	<0.22	<0.2	<0.23	<0.22	<0.21	<0.2	<0.2
Di-n-butylphthalate	mg/kg	<0.22	<0.18	<0.88	<0.18	<0.35	<0.2	<0.22	2.3	2	3.1	<0.21	1.2	<0.2
Di-n-octyl phthalate	mg/kg	<0.22	<0.18	<0.88	<0.18	<0.35	<0.2	<0.22	<0.2	<0.23	<0.22	<0.21	<0.2	<0.2
Fluoranthene	mg/kg	2.6	1.5	12	3.9	7.3	0.66	0.59	1.1	8.2	1.6	1.2	1.8	2.3
Fluorene	mg/kg	0.28	<0.18	1	0.28	0.46	<0.2	<0.22	<0.2	0.83	<0.22	<0.21	<0.2	<0.2
Hexachlorobenzene	mg/kg	<0.13	<0.11	<0.53	<0.11	<0.21	<0.12	<0.13	<0.12	<0.14	<0.14	<0.12	<0.12	<0.12
Hexachlorobutadiene	mg/kg	<0.22	<0.18	<0.88	<0.18	<0.35	<0.2	<0.22	<0.2	<0.23	<0.22	<0.21	<0.2	<0.2
Hexachloroethane	mg/kg	<0.17	<0.14	<0.71	<0.15	<0.28	<0.16	<0.17	<0.16	<0.18	<0.18	<0.17	<0.16	<0.16
Indeno(1,2,3-cd)pyrene	mg/kg	0.52	0.44	3.2	1	2.4	0.22	0.21	0.33	2.1	0.54	0.39	0.5	0.74
Isophorone	mg/kg	<0.19	<0.16	<0.8	<0.17	<0.31	<0.18	<0.2	<0.18	<0.2	<0.2	<0.19	<0.18	<0.18
Naphthalene	mg/kg	<0.22	<0.18	<0.88	0.21	0.73	<0.2	<0.22	<0.2	0.67	<0.22	<0.21	0.2	<0.2
Nitrobenzene	mg/kg	<0.19	<0.16	<0.8	<0.17	<0.31	<0.18	<0.2	<0.18	<0.2	<0.2	<0.19	<0.18	<0.18
Pentachlorophenol	mg/kg	<0.43	<0.36	<1.8	<0.37	<0.69	<0.39	<0.44	<0.4	<0.46	<0.45	<0.42	<0.39	<0.4
Phenanthrene	mg/kg	2.4	1.2	8	2.6	4.3	0.52	0.41	0.78	9.5	0.78	0.67	1.1	1.4
Phenol	mg/kg	<0.22	<0.18	<0.88	<0.18	<0.35	<0.2	<0.22	<0.2	<0.23	<0.22	<0.21	<0.2	<0.2
Pyrene	mg/kg	2	1.2	9.5	3.2	6.2	0.65	0.57	0.99	7.8	1.4	1.1	1.6	1.9
Pyridine	mg/kg	<0.23	<0.2	<0.95	<0.2	<0.37	<0.21	<0.24	<0.22	<0.24	<0.24	<0.22	<0.21	<0.22
Total SVOCs	mg/kg	13.46	9.83	63.04	23.25	52.47	6.35	4.31	9	53.67	12.87	7.76	14.24	18.9
Classic Chemistry														
Corrosivity (pH)	SU	7.8	7.3	7.8	7.6	7.6	7.3	7.7	9.7	6.4	6.6	6.7	5.8	7
Conductivity	umhos/cm	1000	1400	470	460	440	790	620	770	460	830	530	580	650
Flashpoint	deg f	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150
Ignitability	none	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.
Reactive Cyanide	mg/kg	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Reactive Sulfide	mg/kg	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

Notes:
1. Samples in which detected concentrations of a total metals exceeded 20 times the corresponding TCLP regulatory concentration were run for TCLP by EPA method 1311.
2. A < sign indicates that a concentration was below the laboratory reporting limit. A -- indicates that a sample was not analyzed for the corresponding compound.

TABLE 5
MARINE STOCKPILE SOIL ANALYTICAL RESULTS
Wynn Boston Harboer
1 Horizon Way
Everett, Massachusetts

Analyte	Sample ID	MARINE 9G	MARINE 9H	MARINE 10 A	MARINE 10 B	MARINE 10 C	MARINE 10 D	MARINE 10 E	MARINE 10 F	MARINE 10 G	MARINE 10 H	OF-3
	Laboratory Work Order	L1720963/L1721744	L1720963/L1721744	L1722222/L1722631	L1722222/L1722631	L1722222/L1722631	L1722222	L1722222	L1722222/L1722631	L1722222	L1722222	L1723679/L1724122
	Sampling Date	6/21/2017	6/21/2017	6/29/2017	6/29/2017	6/29/2017	6/29/2017	6/29/2017	6/29/2017	6/29/2017	6/29/2017	7/12/2017
Total Metals	Units											
Antimony	mg/kg	15.4	22	3.98	4.42	15	< 2.45	< 2.70	11	< 2.54	< 2.29	5.19
Arsenic	mg/kg	77.2	84	40	41.5	202	25.5	9.34	166	20.6	44.5	153
Barium	mg/kg	72.8	94.8	43.5	35	50	16.5	19.8	34.6	21.4	17.7	48.2
Beryllium	mg/kg	0.292	< 0.237	< 0.211	< 0.212	< 0.235	< 0.245	< 0.270	< 0.235	< 0.254	< 0.229	< 0.252
Cadmium	mg/kg	4.05	1.37	0.566	< 0.425	< 0.469	< 0.490	< 0.541	< 0.470	< 0.507	< 0.457	3.19
Chromium	mg/kg	16.8	17.8	17.1	13	19.9	12.6	19.7	23.4	20.4	23.8	25.6
Lead	mg/kg	890	1560	202	140	373	32.1	6.39	222	15.6	27.5	459
Mercury	mg/kg	1.77	16.1	1.07	1.05	3.01	0.296	< 0.090	1.92	0.793	0.11	2.86
Nickel	mg/kg	12	8.4	10.6	7.08	10.6	8.13	12.8	28.9	11.4	23.9	14.5
Selenium	mg/kg	9.92	77.2	3.1	3.33	6.37	< 2.45	< 2.70	3.52	< 2.54	< 2.29	10.9
Silver	mg/kg	2.4	1.81	< 0.422	0.573	0.587	< 0.490	< 0.541	1.45	< 0.507	0.563	2.24
Thallium	mg/kg	< 2.21	< 2.37	< 2.11	< 2.12	< 2.35	< 2.45	< 2.70	< 2.35	< 2.54	< 2.29	< 2.52
Vanadium	mg/kg	22.3	23.4	27.9	14.3	28.6	15.1	22	20.4	22.9	16.2	41.8
Zinc	mg/kg	1110	416	235	118	120	27.4	33.6	92.6	69.5	3120	443
Metals by Toxicity Characteristic Leaching Procedure (TCLP)												
Arsenic, TCLP	mg/l	--	--	--	--	< 1.0	--	--	3.87	--	--	< 1.00
Lead, TCLP	mg/l	1.24	6.07	< 0.50	< 0.50	< 0.50	--	--	3.15	--	--	1.31
Mercury, TCLP	mg/l	--	< 0.0010	--	--	--	--	--	--	--	--	--
Selenium, TCLP	mg/l	--	< 0.500	--	--	--	--	--	--	--	--	--
Herbicides												
2,4,5-T	mg/kg	<0.038	<2	<0.35	<0.36	<0.39	<0.4	<0.44	<0.4	<0.42	<0.39	<0.86
2,4,5-TP (Silvex)	mg/kg	<0.038	<2	<0.35	<0.36	<0.39	<0.4	<0.44	<0.4	<0.42	<0.39	<0.86
2,4-D	mg/kg	<0.038	<2	<0.35	<0.36	<0.39	<0.4	<0.44	<0.4	<0.42	<0.39	<0.86
2,4-DB	mg/kg	<0.038	<2	<0.35	<0.36	<0.39	<0.4	<0.44	<0.4	<0.42	<0.39	<0.86
Dalapon	mg/kg	<0.038	<2	<0.35	<0.36	<0.39	<0.4	<0.44	<0.4	<0.42	<0.39	<0.86
Dicamba	mg/kg	<0.038	<2	<0.35	<0.36	<0.39	<0.4	<0.44	<0.4	<0.42	<0.39	<0.86
Dichlorprop	mg/kg	<0.038	<2	<0.35	<0.36	<0.39	<0.4	<0.44	<0.4	<0.42	<0.39	<0.86
Dinoseb	mg/kg	<0.038	<2	<0.35	<0.36	<0.39	<0.4	<0.44	<0.4	<0.42	<0.39	<0.86
MCPA	mg/kg	<3.8	<200	<35	<36	<39	<40	<44	<40	<42	<39	<86
MCPP	mg/kg	<3.8	<200	<35	<36	<39	<40	<44	<40	<42	<39	<86
Total Herbicides	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides												
4,4'-DDD	mg/kg	<0.00926	<0.00936	<0.0085	<0.00837	<0.00911	<0.0093	<0.0105	<0.0093	<0.00985	<0.00923	<0.01
4,4'-DDE	mg/kg	<0.00926	<0.00936	<0.0085	<0.00837	<0.00911	<0.0093	<0.0105	<0.0093	<0.00985	<0.00923	<0.01
4,4'-DDT	mg/kg	0.0619	0.0454	<0.0159	<0.0157	<0.0171	<0.0174	<0.0197	<0.0174	<0.0185	0.0235	<0.0188
Aldrin	mg/kg	<0.00926	<0.00936	<0.0085	<0.00837	<0.00911	<0.0093	<0.0105	<0.0093	<0.00985	<0.00923	<0.01
alpha-BHC	mg/kg	<0.00386	<0.0039	<0.00354	<0.00349	<0.0038	<0.00387	<0.00437	<0.00388	<0.0041	<0.00384	<0.00418
beta-BHC	mg/kg	<0.00926	<0.00936	<0.0085	<0.00837	<0.00911	<0.0093	<0.0105	<0.0093	<0.00985	<0.00923	<0.01
Chlordane	mg/kg	<0.0752	<0.0761	<0.0691	<0.068	<0.074	<0.0755	<0.0852	<0.0756	<0.08	<0.075	<0.0814
delta-BHC	mg/kg	<0.00926	<0.00936	<0.0085	<0.00837	<0.00911	<0.0093	<0.0105	<0.0093	<0.00985	<0.00923	<0.01
Dieldrin	mg/kg	0.0215	0.0177	<0.00531	0.00726	<0.00569	<0.00581	<0.00655	<0.00581	<0.00615	0.0106	0.00645
Endosulfan I	mg/kg	<0.00926	<0.00936	<0.0085	<0.00837	<0.00911	<0.0093	<0.0105	<0.0093	<0.00985	<0.00923	<0.01
Endosulfan II	mg/kg	0.0244	0.0179	<0.0085	<0.00837	<0.00911	<0.0093	<0.0105	<0.0093	<0.00985	<0.00923	<0.01
Endosulfan sulfate	mg/kg	<0.00386	<0.0039	<0.00354	<0.00349	<0.0038	<0.00387	<0.00437	<0.00388	<0.0041	<0.00384	<0.00418
Endrin	mg/kg	<0.00386	<0.0039	<0.00354	<0.00349	<0.0038	<0.00387	<0.00437	<0.00388	<0.0041	<0.00384	<0.00418
Endrin ketone	mg/kg	<0.00926	<0.00936	<0.0085	<0.00837	<0.00911	<0.0093	<0.0105	<0.0093	<0.00985	<0.00923	<0.01
Heptachlor	mg/kg	<0.00463	<0.00468	<0.00425	<0.00419	<0.00455	<0.00465	<0.00524	<0.00465	<0.00492	<0.00461	<0.00501
Heptachlor epoxide	mg/kg	<0.0174	<0.0176	<0.0159	<0.0157	<0.0171	<0.0174	<0.0197	<0.0174	<0.0185	<0.0173	<0.0188
Hexachlorobenzene	mg/kg	<0.00926	<0.00936	<0.0085	<0.00837	<0.00911	<0.0093	<0.0105	<0.0093	<0.00985	<0.00923	<0.01
Lindane	mg/kg	<0.00309	<0.00312	<0.00283	<0.00279	<0.00304	<0.0031	<0.0035	<0.0031	<0.00328	<0.00308	<0.00334
Methoxychlor	mg/kg	<0.0174	<0.0176	<0.0159	<0.0157	<0.0171	<0.0174	<0.0197	<0.0174	<0.0185	<0.0173	<0.0188
Toxaphene	mg/kg	<0.174	<0.176	<0.159	<0.157	<0.171	<0.174	<0.197	<0.174	<0.185	<0.173	<0.188
Total Pesticides	mg/kg	0.1078	0.081	ND	0.00726	ND	ND	ND	ND	ND	0.0341	0.00645
Polychlorinated Biphenyls												
Aroclor 1016	mg/kg	<0.756	<0.191	<0.0345	<0.0722	<0.0376	<0.0389	<0.0445	<0.0395	<0.0428	<0.0378	<0.0416
Aroclor 1221	mg/kg	<0.756	<0.191	<0.0345	<0.0722	<0.0376	<0.0389	<0.0445	<0.0395	<0.0428	<0.0378	<0.0416
Aroclor 1232	mg/kg	<0.756	<0.191	<0.0345	<0.0722	<0.0376	<0.0389	<0.0445	<0.0395	<0.0428	<0.0378	<0.0416
Aroclor 1242	mg/kg	<0.756	<0.191	<0.0345	<0.0722	<0.0376	<0.0389	<0.0445	<0.0395	<0.0428	<0.0378	<0.0416
Aroclor 1248	mg/kg	<0.756	<0.191	<0.0345	<0.0722	<0.0376	<0.0389	<0.0445	<0.0395	<0.0428	<0.0378	<0.0416
Aroclor 1254	mg/kg	6.24	1.61	0.0973	0.135	0.106	0.137	0.229	0.0858	0.0722	0.215	0.372
Aroclor 1260	mg/kg	<0.756	<0.191	0.112	0.0992	0.0417	0.052	0.0583	0.1	<0.0428	0.0736	0.0964
Aroclor 1262	mg/kg	<0.756	<0.191	<0.0345	<0.0722	<0.0376	<0.0389	<0.0445	<0.0395	<0.0428	<0.0378	<0.0416
Aroclor 1268	mg/kg	<0.756	<0.191	0.0537	0.218	<0.0376	<0.0389	<0.0445	0.0688	<0.0428	<0.0378	<0.0416
Total PCBs	mg/kg	6.24	1.61	0.263	0.4522	0.1477	0.189	0.2873	0.2546	0.0722	0.2886	0.4684
Total Petroleum Hydrocarbons	mg/kg	427	412	435	702	334	112	<43.7	76.9	<42.2	184	<42.7
Volatile Organic Compounds												
1,1,1,2-Tetrachloroethane	mg/kg	<0.00089	<0.053	<0.0012	<0.00076	<0.0011	<0.00086	<0.001	<0.0011	<0.00099	<0.00086	<0.00072
1,1,1-Trichloroethane	mg/kg	<0.00089	<0.053	<0.0012	<0.00076	<0.0011	<0.00086	<0.001	<0.0011	<0.00099	<0.00086	<0.00072
1,1,2,2-Tetrachloroethane	mg/kg	<0.00089	<0.053	<0.0012	<0.00076	<0.0011	<0.00086	<0.001	<0.0011	<0.00099	<0.00086	<0.00072
1,1,2-Trichloroethane	mg/kg	<0.0013	<0.079	<0.0019	<0.0011	<0.0017	<0.0013	<0.0015	<0.0017	<0.0015	<0.0013	<0.0011
1,1-Dichloroethane	mg/kg	<0.0013	<0.079	<0.0019	<0.0011	<0.0017	<0.0013	<0.0015	<0.0017	<0.0015	<0.0013	<0.0011
1,1-Dichloroethene	mg/kg	<0.00089	<0.053	<0.0012	<0.00076	<0.0011	<0.00086	<0.001	<0.0011	<0.00099	<0.00086	<0.00072
1,1-Dichloropropene	mg/kg	<0.0036	<0.21	<0.005	<0.003	<0.0046	<0.0034	<0.0041	<0.0044	<0.004	<0.0034	<0.0029
1,2,3-Trichlorobenzene	mg/kg	<0.0036	<0.21	<0.005	<0.003	<0.0046	<0.0034	<0.0041	<0.0044	<0.004	<0.0034	<0.0029
1,2,3-Trichloropropane	mg/kg	<0.0036	<0.21	<0.005	<0.003	<0.0046	<0.0034	<0.0041	<0.0044	<0.004	<0.0034	<0.0029
1,2,4-Trichlorobenzene	mg/kg	<0.0036	<0.21	<0.005	<0.003	<0.0046	<0.0034	<0.0041	<0.0044	<0.004	<0.0034	<0.0029
1,2,4-Trimethylbenzene	mg/kg	<0.0036	<0.21	<0.005	<0.003	<0.0046	<0.0034	<0.0041	<0.0044	<0.004	<0.0034	<0.0029
1,2-Dibromo-3-chloropropane	mg/kg	<0.0036	<0.21	<0.005	<0.003	<0.0046	<0.0034	<0.0041	<0.0044	<0.004	<0.0034	<0.0029
1,2-Dibromoethane	mg/kg	<0.0036	<0.21	<0.005	<0.003	<0.0046	<0.0034	<0.0041	<0.0044	<0.004	<0.0034	<0.0029

TABLE 5
MARINE STOCKPILE SOIL ANALYTICAL RESULTS
Wynn Boston Harboer
1 Horizon Way
Everett, Massachusetts

Analyte	Sample ID	MARINE 9G	MARINE 9H	MARINE 10 A	MARINE 10 B	MARINE 10 C	MARINE 10 D	MARINE 10 E	MARINE 10 F	MARINE 10 G	MARINE 10 H	OF-3
	Laboratory Work Order	L1720963/L1721744	L1720963/L1721744	L1722222/L1722631	L1722222/L1722631	L1722222/L1722631	L1722222	L1722222	L1722222/L1722631	L1722222	L1722222	L1723679/L1724122
	Sampling Date	6/21/2017	6/21/2017	6/29/2017	6/29/2017	6/29/2017	6/29/2017	6/29/2017	6/29/2017	6/29/2017	6/29/2017	7/12/2017
1,2-Dichlorobenzene	mg/kg	<0.0036	<0.21	<0.005	<0.003	<0.0046	<0.0034	<0.0041	<0.0044	<0.004	<0.0034	<0.0029
1,2-Dichloroethane	mg/kg	<0.00089	<0.053	<0.0012	<0.00076	<0.0011	<0.00086	<0.001	<0.0011	<0.00099	<0.00086	<0.00072
1,2-Dichloropropane	mg/kg	<0.0031	<0.18	<0.0044	<0.0026	<0.004	<0.003	<0.0036	<0.0039	<0.0035	<0.003	<0.0025
1,3,5-Trimethylbenzene	mg/kg	<0.0036	<0.21	<0.005	<0.003	<0.0046	<0.0034	<0.0041	<0.0044	<0.004	<0.0034	<0.0029
1,3-Dichlorobenzene	mg/kg	<0.0036	<0.21	<0.005	<0.003	<0.0046	<0.0034	<0.0041	<0.0044	<0.004	<0.0034	<0.0029
1,3-Dichloropropane	mg/kg	<0.0036	<0.21	<0.005	<0.003	<0.0046	<0.0034	<0.0041	<0.0044	<0.004	<0.0034	<0.0029
1,4-Dichlorobenzene	mg/kg	<0.0036	<0.21	<0.005	<0.003	<0.0046	<0.0034	<0.0041	<0.0044	<0.004	<0.0034	<0.0029
1,4-Dioxane	mg/kg	<0.036	<2.1	<0.05	<0.03	<0.046	<0.034	<0.041	<0.044	<0.04	<0.034	<0.029
2,2-Dichloropropane	mg/kg	<0.0045	<0.26	<0.0063	<0.0038	<0.0057	<0.0043	<0.0052	<0.0056	<0.005	<0.0043	<0.0036
2-Butanone	mg/kg	<0.0089	<0.53	<0.012	<0.0076	<0.011	0.017	0.011	<0.011	<0.0099	<0.0086	<0.0072
2-Hexanone	mg/kg	<0.0089	<0.53	<0.012	<0.0076	<0.011	<0.0086	<0.01	<0.011	<0.0099	<0.0086	<0.0072
4-Methyl-2-pentanone	mg/kg	<0.0089	<0.53	<0.012	<0.0076	<0.011	<0.0086	<0.01	<0.011	<0.0099	<0.0086	<0.0072
Acetone	mg/kg	<0.032	<1.9	<0.045	<0.027	<0.041	0.073	0.047	<0.04	0.04	0.17	0.027
Benzene	mg/kg	<0.00089	<0.053	<0.0012	<0.00076	<0.0011	<0.00086	<0.001	<0.0011	<0.00099	<0.00086	<0.00072
Bromobenzene	mg/kg	<0.0045	<0.26	<0.0063	<0.0038	<0.0057	<0.0043	<0.0052	<0.0056	<0.005	<0.0043	<0.0036
Bromochloromethane	mg/kg	<0.0036	<0.21	<0.005	<0.003	<0.0046	<0.0034	<0.0041	<0.0044	<0.004	<0.0034	<0.0029
Bromodichloromethane	mg/kg	<0.00089	<0.053	<0.0012	<0.00076	<0.0011	<0.00086	<0.001	<0.0011	<0.00099	<0.00086	<0.00072
Bromoform	mg/kg	<0.0036	<0.21	<0.005	<0.003	<0.0046	<0.0034	<0.0041	<0.0044	<0.004	<0.0034	<0.0029
Bromomethane	mg/kg	<0.0018	<0.1	<0.0025	<0.0015	<0.0023	<0.0017	<0.0021	<0.0022	<0.002	<0.0017	<0.0014
Carbon disulfide	mg/kg	<0.0036	<0.21	<0.005	<0.003	<0.0046	0.0053	0.017	0.052	0.0051	0.021	0.0046
Carbon tetrachloride	mg/kg	<0.00089	<0.053	<0.0012	<0.00076	<0.0011	<0.00086	<0.001	<0.0011	<0.00099	<0.00086	<0.00072
Chlorobenzene	mg/kg	<0.00089	<0.053	0.0062	<0.00076	<0.0011	<0.00086	<0.001	<0.0011	<0.00099	<0.00086	<0.00072
Chloroethane	mg/kg	<0.0018	<0.1	<0.0025	<0.0015	<0.0023	<0.0017	<0.0021	<0.0022	<0.002	<0.0017	<0.0014
Chloroform	mg/kg	<0.0013	<0.079	<0.0019	<0.0011	<0.0017	<0.0013	<0.0015	<0.0017	<0.0015	<0.0013	<0.0011
Chloromethane	mg/kg	<0.0036	<0.21	<0.005	<0.003	<0.0046	<0.0034	<0.0041	<0.0044	<0.004	<0.0034	<0.0029
cis-1,2-Dichloroethene	mg/kg	<0.00089	<0.053	<0.0012	<0.00076	<0.0011	<0.00086	<0.001	<0.0011	<0.00099	<0.00086	<0.00072
cis-1,3-Dichloropropene	mg/kg	<0.00089	<0.053	<0.0012	<0.00076	<0.0011	<0.00086	<0.001	<0.0011	<0.00099	<0.00086	<0.00072
Dibromochloromethane	mg/kg	<0.00089	<0.053	<0.0012	<0.00076	<0.0011	<0.00086	<0.001	<0.0011	<0.00099	<0.00086	<0.00072
Dibromomethane	mg/kg	<0.0036	<0.21	<0.005	<0.003	<0.0046	<0.0034	<0.0041	<0.0044	<0.004	<0.0034	<0.0029
Dichlorodifluoromethane	mg/kg	<0.0089	<0.53	<0.012	<0.0076	<0.011	<0.0086	<0.01	<0.011	<0.0099	<0.0086	<0.0072
Diethyl ether	mg/kg	<0.0045	<0.26	<0.0063	<0.0038	<0.0057	<0.0043	<0.0052	<0.0056	<0.005	<0.0043	<0.0036
Di-isopropyl ether	mg/kg	<0.0036	<0.21	<0.005	<0.003	<0.0046	<0.0034	<0.0041	<0.0044	<0.004	<0.0034	<0.0029
Ethyl tertiary-butyl ether	mg/kg	<0.0036	<0.21	<0.005	<0.003	<0.0046	<0.0034	<0.0041	<0.0044	<0.004	<0.0034	<0.0029
Ethylbenzene	mg/kg	<0.00089	<0.053	<0.0012	<0.00076	<0.0011	<0.00086	<0.001	<0.0011	0.0071	<0.00086	<0.00072
Hexachlorobutadiene	mg/kg	<0.0036	<0.21	<0.005	<0.003	<0.0046	<0.0034	<0.0041	<0.0044	<0.004	<0.0034	<0.0029
Isopropylbenzene	mg/kg	<0.00089	<0.053	<0.0012	<0.00076	<0.0011	<0.00086	<0.001	<0.0011	<0.00099	<0.00086	<0.00072
Methyl tert-butyl ether	mg/kg	<0.0018	<0.1	<0.0025	<0.0015	<0.0023	<0.0017	<0.0021	<0.0022	<0.002	<0.0017	<0.0014
Methylene chloride	mg/kg	<0.0089	<0.53	<0.012	<0.0076	<0.011	<0.0086	<0.01	<0.011	<0.0099	<0.0086	<0.0072
Naphthalene	mg/kg	<0.0036	5.8	<0.005	<0.003	<0.0046	<0.0034	<0.0041	<0.0044	<0.004	<0.0034	<0.0029
n-Butylbenzene	mg/kg	<0.00089	<0.053	<0.0012	<0.00076	<0.0011	<0.00086	<0.001	<0.0011	<0.00099	<0.00086	<0.00072
n-Propylbenzene	mg/kg	<0.00089	<0.053	<0.0012	<0.00076	<0.0011	<0.00086	<0.001	<0.0011	<0.00099	<0.00086	<0.00072
o-Chlorotoluene	mg/kg	<0.0036	<0.21	<0.005	<0.003	<0.0046	<0.0034	<0.0041	<0.0044	<0.004	<0.0034	<0.0029
o-Xylene	mg/kg	<0.0018	<0.1	<0.0025	<0.0015	<0.0023	<0.0017	<0.0021	<0.0022	0.018	<0.0017	<0.0014
p/m-Xylenes	mg/kg	<0.0018	<0.1	<0.0025	<0.0015	<0.0023	<0.0017	<0.0021	<0.0022	0.029	0.0018	<0.0014
p-Chlorotoluene	mg/kg	<0.0036	<0.21	<0.005	<0.003	<0.0046	<0.0034	<0.0041	<0.0044	<0.004	<0.0034	<0.0029
p-Isopropyltoluene	mg/kg	<0.00089	<0.053	<0.0012	<0.00076	<0.0011	0.0016	<0.001	<0.0011	<0.00099	<0.00086	<0.00072
sec-Butylbenzene	mg/kg	<0.00089	<0.053	<0.0012	<0.00076	<0.0011	<0.00086	<0.001	<0.0011	<0.00099	<0.00086	<0.00072
Styrene	mg/kg	<0.0018	<0.1	<0.0025	<0.0015	<0.0023	<0.0017	<0.0021	<0.0022	<0.002	<0.0017	<0.0014
Tert-amyl methyl ether	mg/kg	<0.0036	<0.21	<0.005	<0.003	<0.0046	<0.0034	<0.0041	<0.0044	<0.004	<0.0034	<0.0029
Tert-Butylbenzene	mg/kg	<0.0036	<0.21	<0.005	<0.003	<0.0046	<0.0034	<0.0041	<0.0044	<0.004	<0.0034	<0.0029
Tetrachloroethene	mg/kg	<0.00089	<0.053	<0.0012	<0.00076	<0.0011	<0.00086	<0.001	<0.0011	<0.00099	<0.00086	<0.00072
Tetrahydrofuran	mg/kg	<0.0036	<0.21	<0.005	<0.003	<0.0046	<0.0034	<0.0041	<0.0044	<0.004	<0.0034	<0.0029
Toluene	mg/kg	<0.0013	<0.079	<0.0019	<0.0011	<0.0017	<0.0013	<0.0015	<0.0017	<0.0015	<0.0013	<0.0011
trans-1,2-Dichloroethene	mg/kg	<0.0013	<0.079	<0.0019	<0.0011	<0.0017	<0.0013	<0.0015	<0.0017	<0.0015	<0.0013	<0.0011
trans-1,3-Dichloropropene	mg/kg	<0.00089	<0.053	<0.0012	<0.00076	<0.0011	<0.00086	<0.001	<0.0011	<0.00099	<0.00086	<0.00072
Trichloroethene	mg/kg	<0.00089	<0.053	<0.0012	<0.00076	<0.0011	<0.00086	<0.001	<0.0011	<0.00099	<0.00086	<0.00072
Trichlorofluoromethane	mg/kg	<0.0036	<0.21	<0.005	<0.003	<0.0046	<0.0034	<0.0041	<0.0044	<0.004	<0.0034	<0.0029
Vinyl chloride	mg/kg	<0.0018	<0.1	<0.0025	<0.0015	<0.0023	<0.0017	<0.0021	<0.0022	<0.002	<0.0017	<0.0014
Xylenes, Total	mg/kg	<0.0018	<0.1	<0.0025	<0.0015	<0.0023	<0.0017	<0.0021	<0.0022	0.047	0.0018	<0.0014
Total VOCs	mg/kg	ND	5.8	0.0062	ND	ND	0.0969	0.075	0.052	0.1462	0.1946	0.0316
Semi-Volatile Organic Compounds												
1,2,4-Trichlorobenzene	mg/kg	<0.19	<0.2	<0.18	<0.18	<0.19	<0.2	<0.22	<0.19	<0.21	<0.19	<0.22
1,2-Dichlorobenzene	mg/kg	<0.19	<0.2	1.2	0.18	<0.19	<0.2	<0.22	<0.19	<0.21	<0.19	<0.22
1,3-Dichlorobenzene	mg/kg	<0.19	<0.2	<0.18	<0.18	<0.19	<0.2	<0.22	<0.19	<0.21	<0.19	<0.22
1,4-Dichlorobenzene	mg/kg	<0.19	<0.2	0.23	<0.18	<0.19	<0.2	<0.22	<0.19	<0.21	<0.19	<0.22
2,4,5-Trichlorophenol	mg/kg	<0.19	<0.2	<0.18	<0.18	<0.19	<0.2	<0.22	<0.19	<0.21	<0.19	<0.22
2,4,6-Trichlorophenol	mg/kg	<0.12	<0.12	<0.11	<0.11	<0.12	<0.12	<0.13	<0.12	<0.13	<0.12	<0.13
2,4-Dichlorophenol	mg/kg	<0.17	<0.18	<0.16	<0.16	<0.17	<0.18	<0.2	<0.18	<0.19	<0.17	<0.19
2,4-Dimethylphenol	mg/kg	<0.19	<0.2	<0.18	<0.18	<0.19	<0.2	<0.22	<0.19	<0.21	<0.19	<0.22
2,4-Dinitrophenol	mg/kg	<0.92	<0.95	<0.85	<0.87	<0.93	<0.97	<1.1	<0.93	<1	<0.92	<1
2,4-Dinitrotoluene	mg/kg	<0.19	<0.2	<0.18	<0.18	<0.19	<0.2	<0.22	<0.19	<0.21	<0.19	<0.22
2,6-Dinitrotoluene	mg/kg	<0.19	<0.2	<0.18	<0.18	<0.19	<0.2	<0.22	<0.19	<0.21	<0.19	<0.22
2-Chloronaphthalene	mg/kg	<0.19	<0.2	<0.18	<0.18	<0.19	<0.2	<0.22	<0.19	<0.21	<0.19	<0.22
2-Chlorophenol	mg/kg	<0.19	<0.2	<0.18	<0.18	<0.19	<0.2	<0.22	<0.19	<0.21	<0.19	<0.22
2-Methylnaphthalene	mg/kg	<0.23	<0.24	<0.21	<0.22	0.28	<0.24	0.31	<0.23	<0.26	0.44	<0.26
2-Methylphenol	mg/kg	<0.19	<0.2	<0.18	<0.18	<0.19	<0.2	<0.22	<0.19	<0.21	<0.19	<0.22
2-Nitrophenol	mg/kg	<0.42	<0.43	<0.38	<0.39	<0.42	<0.44	<0.48	<0.42	<0.46	<0.41	<0.46
3,3'-Dichlorobenzidine	mg/kg	<0.19	<0.2	<0.18	<0.18	<0.19	<0.2	<0.22	<0.19	<0.21	<0.19	<0.22
3-Methylphenol/4-Methylphenol	mg/kg	<0.28	<0.28	<0.26	<0.26	<0.28	<0.29	<0.32	<0.28	<0.31	<0.28	<0.31
4-Bromophenyl phenyl ether	mg/kg	<0.19	<0.2	<0.18	<0.18	<0.19	<0.2	<0.22	<0.19	<0.21	<0.19	<0.22
4-Chloroaniline	mg/kg	<0.19	<0.2	<0.18	<0.18	<0.19	<0.2	<0.22	<0.19	<0.21	<0.19	<0.22
4-Nitrophenol	mg/kg	<0.27	<0.28	<0.25	<0.25	<0.27	<0.28	<0.31	<0.27	<0.3	<0.27	<0.3

TABLE 5
MARINE STOCKPILE SOIL ANALYTICAL RESULTS
Wynn Boston Harboer
1 Horizon Way
Everett, Massachusetts

Analyte	Sample ID	MARINE 9G	MARINE 9H	MARINE 10 A	MARINE 10 B	MARINE 10 C	MARINE 10 D	MARINE 10 E	MARINE 10 F	MARINE 10 G	MARINE 10 H	OF-3
	Laboratory Work Order	L1720963/L1721744	L1720963/L1721744	L1722222/L1722631	L1722222/L1722631	L1722222/L1722631	L1722222	L1722222	L1722222/L1722631	L1722222	L1722222	L1723679/L1724122
	Sampling Date	6/21/2017	6/21/2017	6/29/2017	6/29/2017	6/29/2017	6/29/2017	6/29/2017	6/29/2017	6/29/2017	6/29/2017	7/12/2017
Acenaphthene	mg/kg	<0.15	0.18	0.26	0.32	1.2	0.22	0.53	<0.16	<0.17	0.95	<0.17
Acenaphthylene	mg/kg	0.2	0.21	<0.14	0.16	<0.16	<0.16	<0.18	<0.16	<0.17	0.15	<0.17
Acetophenone	mg/kg	<0.19	<0.2	<0.18	<0.18	<0.19	<0.2	<0.22	<0.19	<0.21	<0.19	<0.22
Aniline	mg/kg	<0.23	<0.24	<0.21	<0.22	<0.23	<0.24	<0.27	<0.23	<0.26	<0.23	<0.26
Anthracene	mg/kg	0.34	0.59	0.54	0.85	1.4	0.4	2.1	0.32	<0.13	1.6	<0.13
Azobenzene	mg/kg	<0.19	<0.2	<0.18	<0.18	<0.19	<0.2	<0.22	<0.19	<0.21	<0.19	<0.22
Benzo(a)anthracene	mg/kg	0.96	1.5	1	1.4	2.4	0.78	1.8	0.86	0.2	2.4	0.19
Benzo(a)pyrene	mg/kg	0.95	1.4	0.83	1.2	2	0.62	1.3	0.67	<0.17	2	<0.17
Benzo(b)fluoranthene	mg/kg	1.2	2	1.1	1.6	2.7	0.84	1.6	0.96	0.22	2.7	0.19
Benzo(ghi)perylene	mg/kg	0.51	0.85	0.55	0.74	1.4	0.36	0.7	0.43	<0.17	1.2	<0.17
Benzo(k)fluoranthene	mg/kg	0.45	0.69	0.41	0.51	0.94	0.28	0.56	0.3	<0.13	0.8	<0.13
Bis(2-chloroethoxy)methane	mg/kg	<0.21	<0.21	<0.19	<0.2	<0.21	<0.22	<0.24	<0.21	<0.23	<0.21	<0.23
Bis(2-chloroethyl)ether	mg/kg	<0.17	<0.18	<0.16	<0.16	<0.17	<0.18	<0.2	<0.18	<0.19	<0.17	<0.19
Bis(2-chloroisopropyl)ether	mg/kg	<0.23	<0.24	<0.21	<0.22	<0.23	<0.24	<0.27	<0.23	<0.26	<0.23	<0.26
Bis(2-ethylhexyl)phthalate	mg/kg	4.7	2.9	25	6.5	3.9	2.6	0.25	0.35	<0.21	0.76	0.84
Butyl benzyl phthalate	mg/kg	<0.19	<0.2	0.76	<0.18	<0.19	<0.2	<0.22	<0.19	<0.21	<0.19	<0.22
Chrysene	mg/kg	1.1	1.6	0.98	1.4	2.5	0.8	1.5	0.9	0.22	2.5	0.18
Dibenzo(a,h)anthracene	mg/kg	0.15	0.24	0.14	0.2	0.33	<0.12	0.2	0.12	<0.13	0.34	<0.13
Dibenzofuran	mg/kg	<0.19	<0.2	0.19	0.28	0.57	<0.2	0.66	<0.19	<0.21	0.58	<0.22
Diethyl phthalate	mg/kg	<0.19	<0.2	<0.18	<0.18	<0.19	<0.2	<0.22	<0.19	<0.21	<0.19	<0.22
Dimethylphthalate	mg/kg	<0.19	<0.2	<0.18	<0.18	<0.19	<0.2	<0.22	<0.19	<0.21	<0.19	<0.22
Di-n-butylphthalate	mg/kg	0.89	1.8	<0.18	<0.18	<0.19	<0.2	<0.22	<0.19	<0.21	<0.19	<0.22
Di-n-octyl phthalate	mg/kg	<0.19	<0.2	1.2	0.47	<0.19	<0.2	<0.22	<0.19	<0.21	<0.19	<0.22
Fluoranthene	mg/kg	1.9	2.8	2.6	3.7	7.4	2.1	5.2	1.8	0.57	6.9	0.43
Fluorene	mg/kg	<0.19	<0.2	0.28	0.42	0.84	0.21	1	<0.19	<0.21	1	<0.22
Hexachlorobenzene	mg/kg	<0.12	<0.12	<0.11	<0.11	<0.12	<0.12	<0.13	<0.12	<0.13	<0.12	<0.13
Hexachlorobutadiene	mg/kg	<0.19	<0.2	<0.18	<0.18	<0.19	<0.2	<0.22	<0.19	<0.21	<0.19	<0.22
Hexachloroethane	mg/kg	<0.15	<0.16	<0.14	<0.14	<0.16	<0.16	<0.18	<0.16	<0.17	<0.15	<0.17
Indeno(1,2,3-cd)pyrene	mg/kg	0.58	0.92	0.56	0.79	1.4	0.4	0.78	0.46	<0.17	1.3	<0.17
Isophorone	mg/kg	<0.17	<0.18	<0.16	<0.16	<0.17	<0.18	<0.2	<0.18	<0.19	<0.17	<0.19
Naphthalene	mg/kg	0.22	0.2	0.28	0.25	0.4	<0.2	0.23	<0.19	<0.21	0.4	<0.22
Nitrobenzene	mg/kg	<0.17	<0.18	<0.16	<0.16	<0.17	<0.18	<0.2	<0.18	<0.19	<0.17	<0.19
Pentachlorophenol	mg/kg	<0.38	<0.4	<0.35	<0.36	<0.39	<0.41	<0.44	<0.39	<0.42	<0.38	<0.43
Phenanthrene	mg/kg	1.1	1.8	1.9	2.5	6.5	1.6	6	1.5	0.51	5.9	0.34
Phenol	mg/kg	<0.19	<0.2	<0.18	<0.18	<0.19	<0.2	<0.22	<0.19	<0.21	<0.19	<0.22
Pyrene	mg/kg	1.6	2.7	2.2	2.8	5.8	1.6	4	1.3	0.51	5.5	0.38
Pyridine	mg/kg	<0.21	<0.21	<0.19	<0.2	<0.21	<0.22	<0.24	<0.21	<0.23	<0.21	<0.23
Total SVOCs	mg/kg	16.85	22.38	42.21	26.27	41.96	12.81	28.72	9.97	2.23	37.42	2.55
Classic Chemistry												
Corrosivity (pH)	SU	6.9	6.9	7.2	7.3	7	7.3	7.4	4.8	5.1	6.8	7.1
Conductivity	umhos/cm	710	590	1700	1300	1600	1400	960	1500	1800	2400	1100
Flashpoint	deg f	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150
Ignitability	none	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.
Reactive Cyanide	mg/kg	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Reactive Sulfide	mg/kg	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

Notes:
1. Samples in which detected concentrations of a total metals exceeded 20 times the corresponding TCLP regulatory concentration were run for TCLP by EPA method 1311.
2. A < sign indicates that a concentration was below the laboratory reporting limit. A -- indicates that a sample was not analyzed for the corresponding compound.

TABLE 6
MARINE STOCKPILE DELINEATION RESULTS

Wynn Boston Harbor
1 Horizon Way
Everett, Massachusetts

Analytle	Sample ID Laboratory Work Order Sampling Date	SHORELINE STOCKPILE#6A/B L1714964 5/9/2017	SHORELINE STOCKPILE#6B/C L1714964 5/9/2017	MARINE #9 A/B L1722430 6/30/2017	MARINE #9 C/D1 L1722430 6/30/2017	MARINE #9 C/D2 L1722430 6/30/2017	MARINE #9 G/H1 L1722430 6/30/2017	MARINE #9 G/H2 L1722430 6/30/2017
Metals by Toxicity Characteristic Leaching Procedure (TCLP)								
Lead, TCLP	mg/l	12	6.5	2.86	6.52	7.07	0.785	1.32

File No. 171521.52
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TABLE 7
LAGOON SLUDGE ANALTYICAL RESULTS
Wynn Everett
1 Horizon Way
Everett, Massachusetts

Analyte	Maximum Concentration Across All Samples	Sample ID Laboratory Work Order Sample Date	LAGOON NORTH L1718045/L1718792 6/1/2017	LAGOON SOUTH L1718045/L1718792 6/1/2017	IRON SLUDGE LAGOON-1 L1722002/L1722611 6/28/2017	IRON SLUDGE LAGOON-2 L1722002/L1722611 6/28/2017	IRON SLUDGE LAGOON-3 L1722002/L1722611 6/28/2017
Total Metals		***Units***					
Antimony	7.83	mg/kg	< 4.57	< 6.45	<5.68	7.83	5.17
Arsenic	128	mg/kg	72.8	128	98.9	118	63.7
Barium	88.1	mg/kg	43.6	69.2	76.3	88.1	81.8
Beryllium	0.532	mg/kg	< 0.457	< 0.645	<0.568	0.532	<0.425
Cadmium	2.38	mg/kg	< 0.914	1.64	2.38	1.59	1.28
Chromium	39.3	mg/kg	21.5	24	32.6	39.3	26
Lead	367	mg/kg	135	313	176	367	178
Mercury	8.14	mg/kg	1.42	6.46	1.91	8.14	1.71
Nickel	19.1	mg/kg	9.65	15.5	19.1	17.8	13.7
Selenium	12.3	mg/kg	< 4.57	8.41	<5.68	12.3	<4.25
Silver	1.61	mg/kg	< 0.914	< 1.29	1.61	<1.02	<0.85
Thallium	ND	mg/kg	< 4.57	< 6.45	<5.68	<5.11	<4.25
Vanadium	46.8	mg/kg	17.5	24.8	46.8	35.6	31.5
Zinc	394	mg/kg	228	394	357	290	227
Metals by Toxicity Characteristic Leaching Procedure (TCLP)							
Arsenic, TCLP	ND	mg/l	--	< 1.00	--	<1.00	--
Lead, TCLP	ND	mg/l	< 0.500	< 0.500	<0.500	<0.500	<0.500
Mercury, TCLP	ND	mg/l	--	< 0.0010	--	<0.0010	--
Herbicides							
2,4,5-T	ND	mg/kg	<0.078	<0.11	<0.094	<0.086	<0.071
2,4,5-TP (Silvex)	ND	mg/kg	<0.078	<0.11	<0.094	<0.086	<0.071
2,4-D	ND	mg/kg	<0.078	<0.11	<0.094	<0.086	<0.071
2,4-DB	ND	mg/kg	<0.078	<0.11	<0.094	<0.086	<0.071
Dalapon	ND	mg/kg	<0.078	<0.11	<0.094	<0.086	<0.071
Dicamba	ND	mg/kg	<0.078	<0.11	<0.094	<0.086	<0.071
Dichlorprop	ND	mg/kg	<0.078	<0.11	<0.094	<0.086	<0.071
Dinoseb	ND	mg/kg	<0.078	<0.11	<0.094	<0.086	<0.071
MCPA	ND	mg/kg	<7.8	<11	<9.4	<8.6	<7.1
MCPP	ND	mg/kg	<7.8	<11	<9.4	<8.6	<7.1
Total Herbicides	ND	mg/kg	ND	ND	ND	ND	ND
Pesticides							
4,4'-DDD	ND	mg/kg	<0.0188	<0.0258	<0.067	<0.0568	<0.0504
4,4'-DDE	ND	mg/kg	<0.0188	<0.0258	<0.067	<0.0568	<0.0504
4,4'-DDT	ND	mg/kg	<0.0352	<0.0484	<0.126	<0.106	<0.0945
Aldrin	ND	mg/kg	<0.0188	<0.0258	<0.067	<0.0568	<0.0504
alpha-BHC	ND	mg/kg	<0.00782	<0.0108	<0.0279	<0.0237	<0.021
beta-BHC	ND	mg/kg	<0.0188	<0.0258	<0.067	<0.0568	<0.0504
Chlordane	ND	mg/kg	<0.152	<0.21	<0.544	<0.461	<0.41
delta-BHC	ND	mg/kg	<0.0188	<0.0258	<0.067	<0.0568	<0.0504
Dieldrin	ND	mg/kg	<0.0117	<0.0161	<0.0418	<0.0355	<0.0315
Endosulfan I	ND	mg/kg	<0.0188	<0.0258	<0.067	<0.0568	<0.0504
Endosulfan II	ND	mg/kg	<0.0188	<0.0258	<0.067	<0.0568	<0.0504

TABLE 7
LAGOON SLUDGE ANALTYICAL RESULTS
Wynn Everett
1 Horizon Way
Everett, Massachusetts

Analyte	Maximum Concentration Across All Samples	Sample ID Laboratory Work Order Sample Date	LAGOON NORTH L1718045/L1718792 6/1/2017	LAGOON SOUTH L1718045/L1718792 6/1/2017	IRON SLUDGE LAGOON-1 L1722002/L1722611 6/28/2017	IRON SLUDGE LAGOON-2 L1722002/L1722611 6/28/2017	IRON SLUDGE LAGOON-3 L1722002/L1722611 6/28/2017
Endosulfan sulfate	ND	mg/kg	<0.00782	<0.0108	<0.0279	<0.0237	<0.021
Endrin	ND	mg/kg	<0.00782	<0.0108	<0.0279	<0.0237	<0.021
Endrin ketone	ND	mg/kg	<0.0188	<0.0258	<0.067	<0.0568	<0.0504
Heptachlor	ND	mg/kg	<0.00938	<0.0129	<0.0335	<0.0284	<0.0252
Heptachlor epoxide	ND	mg/kg	<0.0352	<0.0484	<0.126	<0.106	<0.0945
Hexachlorobenzene	ND	mg/kg	<0.0188	<0.0258	<0.067	<0.0568	<0.0504
Lindane	ND	mg/kg	<0.00626	<0.00861	<0.0223	<0.0189	<0.0168
Methoxychlor	ND	mg/kg	<0.0352	<0.0484	<0.126	<0.106	<0.0945
Toxaphene	ND	mg/kg	<0.352	<0.484	<1.26	<1.06	<0.945
Total Pesticides	ND	mg/kg	ND	ND	ND	ND	ND
Polychlorinated Biphenyls							
Aroclor 1016	ND	mg/kg	<0.0758	<0.109	<0.269	<0.227	<0.206
Aroclor 1221	ND	mg/kg	<0.0758	<0.109	<0.269	<0.227	<0.206
Aroclor 1232	ND	mg/kg	<0.0758	<0.109	<0.269	<0.227	<0.206
Aroclor 1242	ND	mg/kg	<0.0758	<0.109	<0.269	<0.227	<0.206
Aroclor 1248	ND	mg/kg	<0.0758	<0.109	<0.269	<0.227	<0.206
Aroclor 1254	1.6	mg/kg	0.164	1.6	<0.269	<0.227	0.429
Aroclor 1260	1.42	mg/kg	0.0832	<0.109	1.42	<0.227	<0.206
Aroclor 1262	ND	mg/kg	<0.0758	<0.109	<0.269	<0.227	<0.206
Aroclor 1268	ND	mg/kg	<0.0758	<0.109	<0.269	<0.227	<0.206
Total PCBs	1.6	mg/kg	0.2472	1.6	1.42	ND	0.429
Total Petroleum Hydrocarbons	326	mg/kg	<78.2	<108	326	290	263
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	ND	mg/kg	<0.0012	<0.0013	<0.0017	<0.0015	<0.0013
1,1,1-Trichloroethane	ND	mg/kg	<0.0012	<0.0013	<0.0017	<0.0015	<0.0013
1,1,2,2-Tetrachloroethane	ND	mg/kg	<0.0012	<0.0013	<0.0017	<0.0015	<0.0013
1,1,2-Trichloroethane	ND	mg/kg	<0.0018	<0.002	<0.0025	<0.0022	<0.002
1,1-Dichloroethane	ND	mg/kg	<0.0018	<0.002	<0.0025	<0.0022	<0.002
1,1-Dichloroethene	ND	mg/kg	<0.0012	<0.0013	<0.0017	<0.0015	<0.0013
1,1-Dichloropropene	ND	mg/kg	<0.0047	<0.0052	<0.0067	<0.006	<0.0052
1,2,3-Trichlorobenzene	ND	mg/kg	<0.0047	<0.0052	<0.0067	<0.006	<0.0052
1,2,3-Trichloropropane	ND	mg/kg	<0.0047	<0.0052	<0.0067	<0.006	<0.0052
1,2,4-Trichlorobenzene	ND	mg/kg	<0.0047	<0.0052	<0.0067	<0.006	<0.0052
1,2,4-Trimethylbenzene	ND	mg/kg	<0.0047	<0.0052	<0.0067	<0.006	<0.0052
1,2-Dibromo-3-chloropropane	ND	mg/kg	<0.0047	<0.0052	<0.0067	<0.006	<0.0052
1,2-Dibromoethane	ND	mg/kg	<0.0047	<0.0052	<0.0067	<0.006	<0.0052
1,2-Dichlorobenzene	ND	mg/kg	<0.0047	<0.0052	<0.0067	<0.006	<0.0052
1,2-Dichloroethane	ND	mg/kg	<0.0012	<0.0013	<0.0017	<0.0015	<0.0013
1,2-Dichloropropane	ND	mg/kg	<0.0041	<0.0046	<0.0058	<0.0052	<0.0046
1,3,5-Trimethylbenzene	ND	mg/kg	<0.0047	<0.0052	<0.0067	<0.006	<0.0052
1,3-Dichlorobenzene	ND	mg/kg	<0.0047	<0.0052	<0.0067	<0.006	<0.0052
1,3-Dichloropropane	ND	mg/kg	<0.0047	<0.0052	<0.0067	<0.006	<0.0052
1,4-Dichlorobenzene	ND	mg/kg	<0.0047	<0.0052	<0.0067	<0.006	<0.0052
1,4-Dioxane	ND	mg/kg	<0.047	<0.052	<0.067	<0.06	<0.052
2,2-Dichloropropane	ND	mg/kg	<0.0059	<0.0066	<0.0084	<0.0075	<0.0065

TABLE 7
LAGOON SLUDGE ANALTYICAL RESULTS
Wynn Everett
1 Horizon Way
Everett, Massachusetts

Analyte	Maximum Concentration Across All Samples	Sample ID Laboratory Work Order Sample Date	LAGOON NORTH L1718045/L1718792 6/1/2017	LAGOON SOUTH L1718045/L1718792 6/1/2017	IRON SLUDGE LAGOON-1 L1722002/L1722611 6/28/2017	IRON SLUDGE LAGOON-2 L1722002/L1722611 6/28/2017	IRON SLUDGE LAGOON-3 L1722002/L1722611 6/28/2017
2-Butanone	ND	mg/kg	<0.012	<0.013	<0.017	<0.015	<0.013
2-Hexanone	ND	mg/kg	<0.012	<0.013	<0.017	<0.015	<0.013
4-Methyl-2-pentanone	ND	mg/kg	<0.012	<0.013	<0.017	<0.015	<0.013
Acetone	0.056	mg/kg	<0.042	<0.047	<0.06	<0.054	0.056
Benzene	ND	mg/kg	<0.0012	<0.0013	<0.0017	<0.0015	<0.0013
Bromobenzene	ND	mg/kg	<0.0059	<0.0066	<0.0084	<0.0075	<0.0065
Bromochloromethane	ND	mg/kg	<0.0047	<0.0052	<0.0067	<0.006	<0.0052
Bromodichloromethane	ND	mg/kg	<0.0012	<0.0013	<0.0017	<0.0015	<0.0013
Bromoform	ND	mg/kg	<0.0047	<0.0052	<0.0067	<0.006	<0.0052
Bromomethane	ND	mg/kg	<0.0024	<0.0026	<0.0033	<0.003	<0.0026
Carbon disulfide	0.009	mg/kg	<0.0047	<0.0052	<0.0067	<0.006	0.009
Carbon tetrachloride	ND	mg/kg	<0.0012	<0.0013	<0.0017	<0.0015	<0.0013
Chlorobenzene	0.0018	mg/kg	<0.0012	<0.0013	<0.0017	<0.0015	0.0018
Chloroethane	ND	mg/kg	<0.0024	<0.0026	<0.0033	<0.003	<0.0026
Chloroform	ND	mg/kg	<0.0018	<0.002	<0.0025	<0.0022	<0.002
Chloromethane	ND	mg/kg	<0.0047	<0.0052	<0.0067	<0.006	<0.0052
cis-1,2-Dichloroethene	ND	mg/kg	<0.0012	<0.0013	<0.0017	<0.0015	<0.0013
cis-1,3-Dichloropropene	ND	mg/kg	<0.0012	<0.0013	<0.0017	<0.0015	<0.0013
Dibromochloromethane	ND	mg/kg	<0.0012	<0.0013	<0.0017	<0.0015	<0.0013
Dibromomethane	ND	mg/kg	<0.0047	<0.0052	<0.0067	<0.006	<0.0052
Dichlorodifluoromethane	ND	mg/kg	<0.012	<0.013	<0.017	<0.015	<0.013
Diethyl ether	ND	mg/kg	<0.0059	<0.0066	<0.0084	<0.0075	<0.0065
Di-isopropyl ether	ND	mg/kg	<0.0047	<0.0052	<0.0067	<0.006	<0.0052
Ethyl tertiary-butyl ether	ND	mg/kg	<0.0047	<0.0052	<0.0067	<0.006	<0.0052
Ethylbenzene	ND	mg/kg	<0.0012	<0.0013	<0.0017	<0.0015	<0.0013
Hexachlorobutadiene	ND	mg/kg	<0.0047	<0.0052	<0.0067	<0.006	<0.0052
Isopropylbenzene	ND	mg/kg	<0.0012	<0.0013	<0.0017	<0.0015	<0.0013
Methyl tert-butyl ether	ND	mg/kg	<0.0024	<0.0026	<0.0033	<0.003	<0.0026
Methylene chloride	ND	mg/kg	<0.012	<0.013	<0.017	<0.015	<0.013
Naphthalene	ND	mg/kg	<0.0047	<0.0052	<0.0067	<0.006	<0.0052
n-Butylbenzene	ND	mg/kg	<0.0012	<0.0013	<0.0017	<0.0015	<0.0013
n-Propylbenzene	ND	mg/kg	<0.0012	<0.0013	<0.0017	<0.0015	<0.0013
o-Chlorotoluene	ND	mg/kg	<0.0047	<0.0052	<0.0067	<0.006	<0.0052
o-Xylene	ND	mg/kg	<0.0024	<0.0026	<0.0033	<0.003	<0.0026
p/m-Xylenes	ND	mg/kg	<0.0024	<0.0026	<0.0033	<0.003	<0.0026
p-Chlorotoluene	ND	mg/kg	<0.0047	<0.0052	<0.0067	<0.006	<0.0052
p-Isopropyltoluene	ND	mg/kg	<0.0012	<0.0013	<0.0017	<0.0015	<0.0013
sec-Butylbenzene	ND	mg/kg	<0.0012	<0.0013	<0.0017	<0.0015	<0.0013
Styrene	ND	mg/kg	<0.0024	<0.0026	<0.0033	<0.003	<0.0026
Tert-amyl methyl ether	ND	mg/kg	<0.0047	<0.0052	<0.0067	<0.006	<0.0052
Tert-Butylbenzene	ND	mg/kg	<0.0047	<0.0052	<0.0067	<0.006	<0.0052
Tetrachloroethene	ND	mg/kg	<0.0012	<0.0013	<0.0017	<0.0015	<0.0013
Tetrahydrofuran	ND	mg/kg	<0.0047	<0.0052	<0.0067	<0.006	<0.0052
Toluene	ND	mg/kg	<0.0018	<0.002	<0.0025	<0.0022	<0.002
trans-1,2-Dichloroethene	ND	mg/kg	<0.0018	<0.002	<0.0025	<0.0022	<0.002

TABLE 7
LAGOON SLUDGE ANALTYICAL RESULTS
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Analyte	Maximum Concentration Across All Samples	Sample ID Laboratory Work Order Sample Date	LAGOON NORTH L1718045/L1718792 6/1/2017	LAGOON SOUTH L1718045/L1718792 6/1/2017	IRON SLUDGE LAGOON-1 L1722002/L1722611 6/28/2017	IRON SLUDGE LAGOON-2 L1722002/L1722611 6/28/2017	IRON SLUDGE LAGOON-3 L1722002/L1722611 6/28/2017
trans-1,3-Dichloropropene	ND	mg/kg	<0.0012	<0.0013	<0.0017	<0.0015	<0.0013
Trichloroethene	ND	mg/kg	<0.0012	<0.0013	<0.0017	<0.0015	<0.0013
Trichlorofluoromethane	ND	mg/kg	<0.0047	<0.0052	<0.0067	<0.006	<0.0052
Vinyl chloride	ND	mg/kg	<0.0024	<0.0026	<0.0033	<0.003	<0.0026
Xylenes, Total	ND	mg/kg	<0.0024	<0.0026	<0.0033	<0.003	<0.0026
Total VOCs	0.0668	mg/kg	ND	ND	ND	ND	0.0668
Semi-Volatile Organic Compounds							
1,2,4-Trichlorobenzene	ND	mg/kg	<0.39	<0.54	<0.48	<0.42	<0.36
1,2-Dichlorobenzene	ND	mg/kg	<0.39	<0.54	<0.48	<0.42	<0.36
1,3-Dichlorobenzene	ND	mg/kg	<0.39	<0.54	<0.48	<0.42	<0.36
1,4-Dichlorobenzene	ND	mg/kg	<0.39	<0.54	<0.48	<0.42	<0.36
2,4,5-Trichlorophenol	ND	mg/kg	<0.39	<0.54	<0.48	<0.42	<0.36
2,4,6-Trichlorophenol	ND	mg/kg	<0.24	<0.32	<0.29	<0.25	<0.22
2,4-Dichlorophenol	ND	mg/kg	<0.35	<0.49	<0.43	<0.38	<0.33
2,4-Dimethylphenol	ND	mg/kg	<0.39	<0.54	<0.48	<0.42	<0.36
2,4-Dinitrophenol	ND	mg/kg	<1.9	<2.6	<2.3	<2	<1.8
2,4-Dinitrotoluene	ND	mg/kg	<0.39	<0.54	<0.48	<0.42	<0.36
2,6-Dinitrotoluene	ND	mg/kg	<0.39	<0.54	<0.48	<0.42	<0.36
2-Chloronaphthalene	ND	mg/kg	<0.39	<0.54	<0.48	<0.42	<0.36
2-Chlorophenol	ND	mg/kg	<0.39	<0.54	<0.48	<0.42	<0.36
2-Methylnaphthalene	ND	mg/kg	<0.47	<0.65	<0.57	<0.51	<0.44
2-Methylphenol	ND	mg/kg	<0.39	<0.54	<0.48	<0.42	<0.36
2-Nitrophenol	ND	mg/kg	<0.85	<1.2	<1	<0.91	<0.79
3,3'-Dichlorobenzidine	ND	mg/kg	<0.39	<0.54	<0.48	<0.42	<0.36
3-Methylphenol/4-Methylphenol	ND	mg/kg	<0.57	<0.78	<0.69	<0.61	<0.52
4-Bromophenyl phenyl ether	ND	mg/kg	<0.39	<0.54	<0.48	<0.42	<0.36
4-Chloroaniline	ND	mg/kg	<0.39	<0.54	<0.48	<0.42	<0.36
4-Nitrophenol	ND	mg/kg	<0.55	<0.76	<0.67	<0.59	<0.51
Acenaphthene	ND	mg/kg	<0.31	<0.43	<0.38	<0.34	<0.29
Acenaphthylene	ND	mg/kg	<0.31	<0.43	<0.38	<0.34	<0.29
Acetophenone	ND	mg/kg	<0.39	<0.54	<0.48	<0.42	<0.36
Aniline	ND	mg/kg	<0.47	<0.65	<0.57	<0.51	<0.44
Anthracene	ND	mg/kg	<0.24	<0.32	<0.29	<0.25	<0.22
Azobenzene	ND	mg/kg	<0.39	<0.54	<0.48	<0.42	<0.36
Benzo(a)anthracene	0.32	mg/kg	<0.24	0.32	<0.29	<0.25	0.27
Benzo(a)pyrene	ND	mg/kg	<0.31	<0.43	<0.38	<0.34	<0.29
Benzo(b)fluoranthene	0.34	mg/kg	<0.24	<0.32	0.34	<0.25	0.33
Benzo(ghi)perylene	ND	mg/kg	<0.31	<0.43	<0.38	<0.34	<0.29
Benzo(k)fluoranthene	ND	mg/kg	<0.24	<0.32	<0.29	<0.25	<0.22
Bis(2-chloroethoxy)methane	ND	mg/kg	<0.42	<0.59	<0.52	<0.46	<0.39
Bis(2-chloroethyl)ether	ND	mg/kg	<0.35	<0.49	<0.43	<0.38	<0.33
Bis(2-chloroisopropyl)ether	ND	mg/kg	<0.47	<0.65	<0.57	<0.51	<0.44
Bis(2-ethylhexyl)phthalate	9.4	mg/kg	<0.39	<0.54	<0.48	9.4	<0.36
Butyl benzyl phthalate	ND	mg/kg	<0.39	<0.54	<0.48	<0.42	<0.36
Chrysene	0.26	mg/kg	<0.24	<0.32	<0.29	<0.25	0.26

TABLE 7

LAGOON SLUDGE ANALTYICAL RESULTS

Wynn Everett
1 Horizon Way
Everett, Massachusetts

Analyte	Maximum Concentration Across All Samples	Sample ID Laboratory Work Order Sample Date	LAGOON NORTH L1718045/L1718792 6/1/2017	LAGOON SOUTH L1718045/L1718792 6/1/2017	IRON SLUDGE LAGOON-1 L1722002/L1722611 6/28/2017	IRON SLUDGE LAGOON-2 L1722002/L1722611 6/28/2017	IRON SLUDGE LAGOON-3 L1722002/L1722611 6/28/2017
Dibenzo(a,h)anthracene	ND	mg/kg	<0.24	<0.32	<0.29	<0.25	<0.22
Dibenzofuran	ND	mg/kg	<0.39	<0.54	<0.48	<0.42	<0.36
Diethyl phthalate	ND	mg/kg	<0.39	<0.54	<0.48	<0.42	<0.36
Dimethylphthalate	ND	mg/kg	<0.39	<0.54	<0.48	<0.42	<0.36
Di-n-butylphthalate	ND	mg/kg	<0.39	<0.54	<0.48	<0.42	<0.36
Di-n-octyl phthalate	ND	mg/kg	<0.39	<0.54	<0.48	<0.42	<0.36
Fluoranthene	0.79	mg/kg	<0.24	0.79	0.49	0.44	0.57
Fluorene	ND	mg/kg	<0.39	<0.54	<0.48	<0.42	<0.36
Hexachlorobenzene	ND	mg/kg	<0.24	<0.32	<0.29	<0.25	<0.22
Hexachlorobutadiene	ND	mg/kg	<0.39	<0.54	<0.48	<0.42	<0.36
Hexachloroethane	ND	mg/kg	<0.31	<0.43	<0.38	<0.34	<0.29
Indeno(1,2,3-cd)pyrene	ND	mg/kg	<0.31	<0.43	<0.38	<0.34	<0.29
Isophorone	ND	mg/kg	<0.35	<0.49	<0.43	<0.38	<0.33
Naphthalene	ND	mg/kg	<0.39	<0.54	<0.48	<0.42	<0.36
Nitrobenzene	ND	mg/kg	<0.35	<0.49	<0.43	<0.38	<0.33
Pentachlorophenol	ND	mg/kg	<0.79	<1.1	<0.96	<0.84	<0.73
Phenanthrene	0.57	mg/kg	<0.24	0.53	0.42	0.57	0.47
Phenol	ND	mg/kg	<0.39	<0.54	<0.48	<0.42	<0.36
Pyrene	0.67	mg/kg	<0.24	0.67	0.38	0.43	0.5
Pyridine	ND	mg/kg	<0.42	<0.59	<0.52	<0.46	<0.39
Total SVOCs	10.84	mg/kg	ND	2.31	1.63	10.84	2.4
Classical Chemistry							
Corrosivity (pH)	8-9.4	SU	8.5	8	9.4	8.3	8.9
Conductivity	1800	umhos/cm	1600	1800	1600	1200	1100
Flashpoint	>150	deg f	>150	>150	>150	>150	>150
Ignitability	N.I.	none	N.I.	N.I.	--	--	--
Reactive Cyanide	ND	mg/kg	< 10	< 10	<10	<10	<10
Reactive Sulfide	ND	mg/kg	< 10	< 10	<10	<10	<10

Notes:

1. N.I.=not ignitable; "<" indicates less than the reporting limit indicated to the right; "--" indicates not analyzed

TABLE 8
SUMMARY OF ANALYTICAL DATA -SHORELINE WATER

Wynn Everett
1 Horizon Way
Everett, Massachusetts

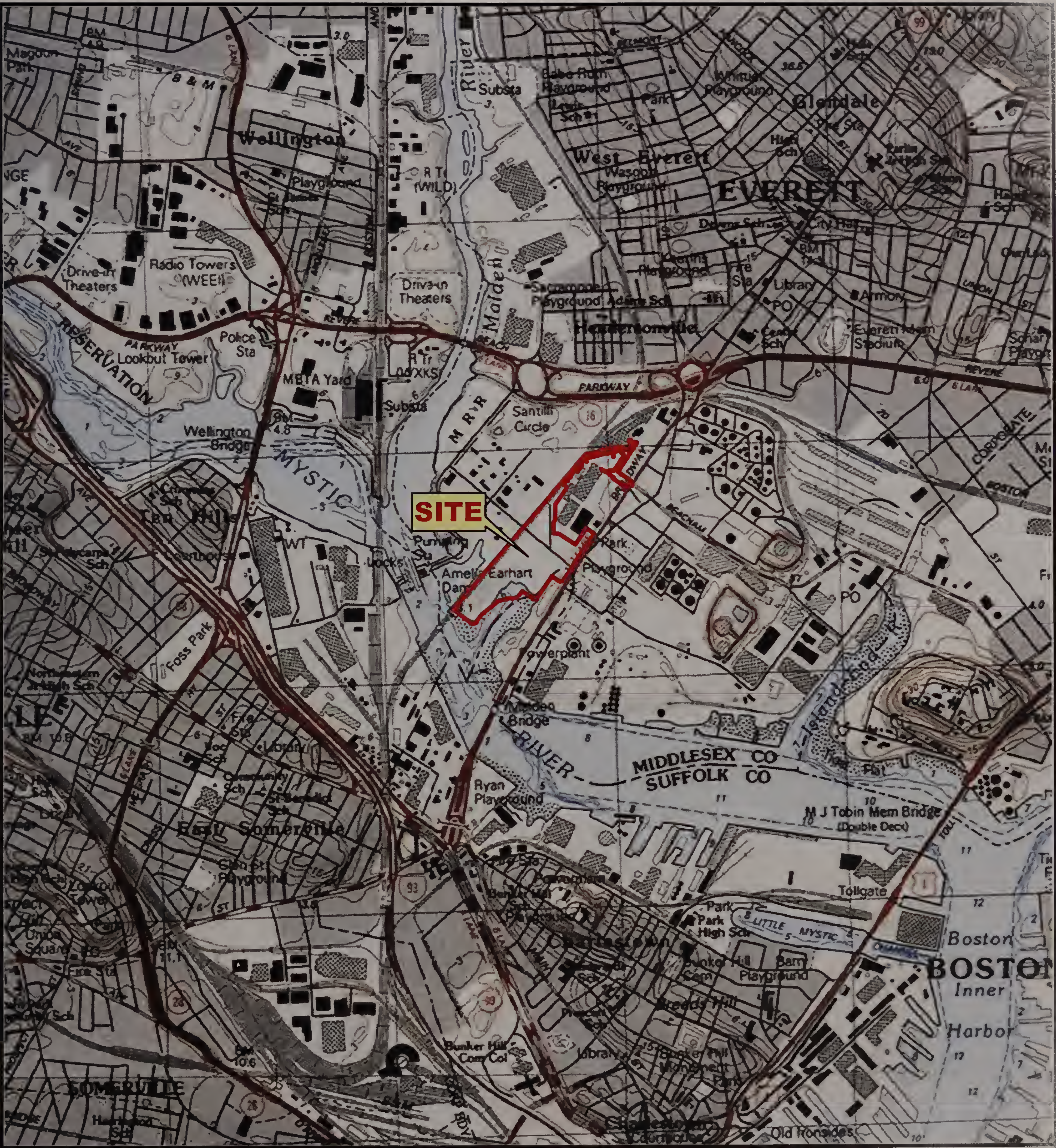
Analyte	Sample ID Sampling Date Lab Sample ID	Shoreline Surface Water_Green/Yellow[8] 4/25/2017 1704663-01/1704758-01	SW-1 Mystic Risk Background 5/18/2017 L1716291-01	Receiving Water - Mystic River 5/18/2017 L1716287-01	MSWS for Protection of Aquatic Life[3]
Total Metals	Units				
Arsenic	ug/L	149	3.3	1.89	36
Cadmium	ug/L	<1.0	2.5	<1.0	8.8
Iron	ug/L	836	472	362	1000 [4]
Lead	ug/L	15.3	7.9	7.33	8.1
Manganese	ug/L	1430	85.8	NA	NA
Vanadium	ug/L	22.2	25	NA	50 [5]
Classical Chemistry					
Sulfur	mg/L	2,110	468	NA	NA
Dissolved Organic Carbon	mg/L	22.1	NA	NA	NA
Total Organic Carbon (Average)	mg/L	21.2	NA		
SVOCs					
1,2,4-Trichlorobenzene	ug/L	<42.1	NA	NA	30 [6]
1,2-Dichlorobenzene	ug/L	<42.1	NA	NA	14 [6]
1,3-Dichlorobenzene	ug/L	<42.1	NA	NA	38 [6]
1,4-Dichlorobenzene	ug/L	<42.1	NA	NA	9.4 [6]
2,4,5-Trichlorophenol	ug/L	<42.1	NA	NA	NA
2,4,6-Trichlorophenol	ug/L	<42.1	NA	NA	NA
2,4-Dichlorophenol	ug/L	<42.1	NA	NA	NA
2,4-Dimethylphenol	ug/L	<211	NA	NA	NA
2,4-Dinitrophenol	ug/L	<211	NA	NA	NA
2,4-Dinitrotoluene	ug/L	<42.1	NA	NA	NA
2,6-Dinitrotoluene	ug/L	<42.1	NA	NA	NA
2-Chloronaphthalene	ug/L	<42.1	NA	NA	NA
2-Chlorophenol	ug/L	<42.1	NA	NA	NA
2-Methylnaphthalene	ug/L	<42.1	NA	NA	72.16 [7]
2-Methylphenol	ug/L	<42.1	NA	NA	67 [6]
2-Nitrophenol	ug/L	<42.1	NA	NA	NA
3,3´-Dichlorobenzidine	ug/L	<84.2	NA	NA	NA
3+4-Methylphenol	ug/L	<84.2	NA	NA	NA
4-Bromophenyl-phenylether	ug/L	<42.1	NA	NA	NA
4-Chloroaniline	ug/L	<84.2	NA	NA	NA
4-Nitrophenol	ug/L	<211	NA	NA	NA
Acenaphthene	ug/L	<42.1	NA	NA	55.85 [7]
Acenaphthylene	ug/L	<42.1	NA	NA	306.9 [7]
Acetophenone	ug/L	<42.1	NA	NA	NA
Aniline	ug/L	<42.1	NA	NA	NA
Anthracene	ug/L	<42.1	NA	NA	20.73 [7]
Azobenzene	ug/L	<84.2	NA	NA	NA
Benzo(a)anthracene	ug/L	<42.1	NA	NA	2.227 [7]
Benzo(a)pyrene	ug/L	<42.1	NA	NA	0.9573 [7]
Benzo(b)fluoranthene	ug/L	<42.1	NA	NA	0.6774 [7]
Benzo(g,h,i)perylene	ug/L	<42.1	NA	NA	0.4391 [7]
Benzo(k)fluoranthene	ug/L	<42.1	NA	NA	0.6415 [7]
bis(2-Chloroethoxy)methane	ug/L	<42.1	NA	NA	NA
bis(2-Chloroethyl)ether	ug/L	<42.1	NA	NA	NA
bis(2-chloroisopropyl)Ether	ug/L	<42.1	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ug/L	<25.3	NA	NA	0.3 [6]
Butylbenzylphthalate	ug/L	<42.1	NA	NA	23 [6]
Chrysene	ug/L	<42.1	NA	NA	2.042 [7]
Dibenzo(a,h)Anthracene	ug/L	<42.1	NA	NA	0.2825 [7]
Dibenzofuran	ug/L	<42.1	NA	NA	4 [6]
Diethylphthalate	ug/L	<42.1	NA	NA	110 [6]
Dimethylphthalate	ug/L	<42.1	NA	NA	NA
Di-n-butylphthalate	ug/L	<42.1	NA	NA	9.7 [6]
Di-n-octylphthalate	ug/L	<42.1	NA	NA	30 [6]
Fluoranthene	ug/L	<42.1	NA	NA	7.109 [7]
Fluorene	ug/L	<42.1	NA	NA	39.3 [7]
Hexachlorobenzene	ug/L	<42.1	NA	NA	0.0003 [6]
Hexachlorobutadiene	ug/L	<42.1	NA	NA	NA
Hexachloroethane	ug/L	<21.1	NA	NA	NA
Indeno(1,2,3-cd)Pyrene	ug/L	<42.1	NA	NA	0.275 [7]
Isophorone	ug/L	<42.1	NA	NA	NA
Naphthalene	ug/L	<42.1	NA	NA	193.5 [7]
Nitrobenzene	ug/L	<42.1	NA	NA	NA
N-Nitrosodimethylamine	ug/L	<42.1	NA	NA	NA
Pentachlorophenol	ug/L	<211	NA	NA	NA
Phenanthrene	ug/L	<42.1	NA	NA	19.13 [7]
Phenol	ug/L	<42.1	NA	NA	180 [6]
Pyrene	ug/L	<42.1	NA	NA	10.11 [7]

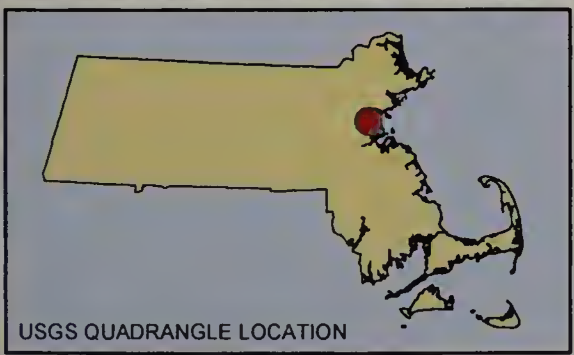
Notes:

1. "<" indicates the analyte was not detected above the method detection limit shown to the right.
2. NA = Not Analyzed, or Not Available
3. Unless otherwise noted, these are chronic USEPA National Recommended Water Quality Criteria (NRWQC) for saltwater, which have been adopted by MassDEP as Massachusetts Surface Water Standards (MSWS). NRWQC for the protection of aquatic life are available here: https://www.epa.gov/wqc/national-recommended-water-quality-criteria-aquatic-life-criteria-table
4. This is the chronic NRWQC for freshwater.
5. British Columbia Water Quality Guideline for marine waters as presented on the NOAA Screening Quick Reference Table (SQuiRT).
6. These WQBs for freshwater from a compilation of ecological screening benchmarks from U.S. EPA Region 5, available at: http://www3.epa.gov/region5/waste/cars/pdfs/ecological-screening-levels-200308.pdf.
7. These are Final Chronic Values (FCVs) used to develop equilibrium partitioning benchmarks for PAHs in sediment. These FCVs were developed by the U.S. EPA, and are presented in "Procedures for the Derivation of Equilibrium Partitioning Sediment Benchmarks (ESBs) for the Protection of Benthic Organisms: PAH Mixtures", EPA-600-R-02-013. November, 2003.
8. This is a sample of the seep water at the point of discharge, and is not representative of surface water conditions in the Mystic River.

Figures

© 2017 - GZA GeoEnvironmental, Inc., J:\170,000-179,999\171521\171521-52.MPS\FIGURES\GIS\MXDs\171521_SITE_LOCUS-FIG1.mxd, 8/24/2017, 2:58:17 PM, anthony.pungitore





SOURCE : THIS MAP CONTAINS THE ESRI ARCGIS ONLINE USA TOPOGRAPHIC MAP SERVICE, PUBLISHED DECEMBER 12, 2009 BY ESRI ARCIMS SERVICES AND UPDATED AS NEEDED. THIS SERVICE USES UNIFORM NATIONALLY RECOGNIZED DATUM AND CARTOGRAPHY STANDARDS AND A VARIETY OF AVAILABLE SOURCES FROM SEVERAL DATA PROVIDERS.

Data Supplied by : esri

0 1,000 2,000 4,000 6,000

SCALE IN FEET

N
W E
S

GZA

PROJ. MGR.: NJC
DESIGNED BY: NJC
REVIEWED BY: LF
OPERATOR: SMW

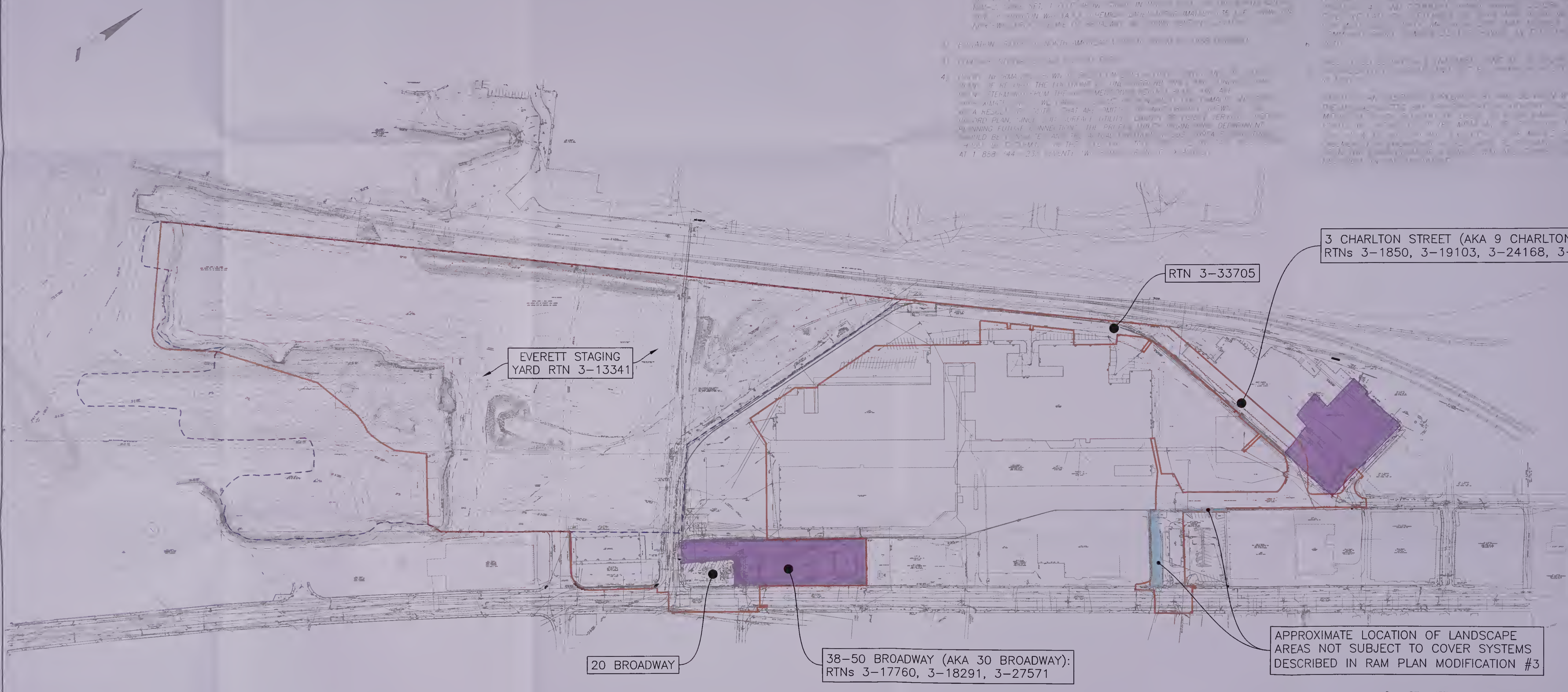
DATE: AUGUST 2017

SITE LOCUS MAP

WYNN BOSTON HARBOR
EVERETT, MASSACHUSETTS

JOB NO.
01.0171521.5

FIGURE NO.
1


3 CHARLTON STREET (AKA 9 CHARLTON STREET): RTNs 3-1850, 3-19103, 3-24168, 3-24699
RTN 3-33705
EVERETT STAGING YARD RTN 3-13341
20 BROADWAY
38-50 BROADWAY (AKA 30 BROADWAY): RTNs 3-17760, 3-18291, 3-27571
APPROXIMATE LOCATION OF LANDSCAPE AREAS NOT SUBJECT TO COVER SYSTEMS DESCRIBED IN RAM PLAN MODIFICATION #3
0 75' 150' 300' 450'
SCALE IN FEET

LEGEND

LEGEND

🟪 AUL AREA (APPROXIMATE)

– – – FORMER EVERETT STAGING YARD DISPOSAL SITE BOUNDARY (RTN 3-13341)

—— RAM PROJECT AREA BOUNDARY

NOTES:
1. AULs ARE SHOWN ONLY ON PROPERTIES WITHIN RAM BOUNDARIES; ADDITIONAL AULs EXIST IN THE VICINITY.
2. BASE PLAN FROM FELDMAN PROFESSIONAL LAND SURVEYORS PLAN TITLED "EXISTING CONDITIONS PLAN, BROADWAY (ROUTE 99), EVERETT, MASS." DATED MARCH 20, 2015.

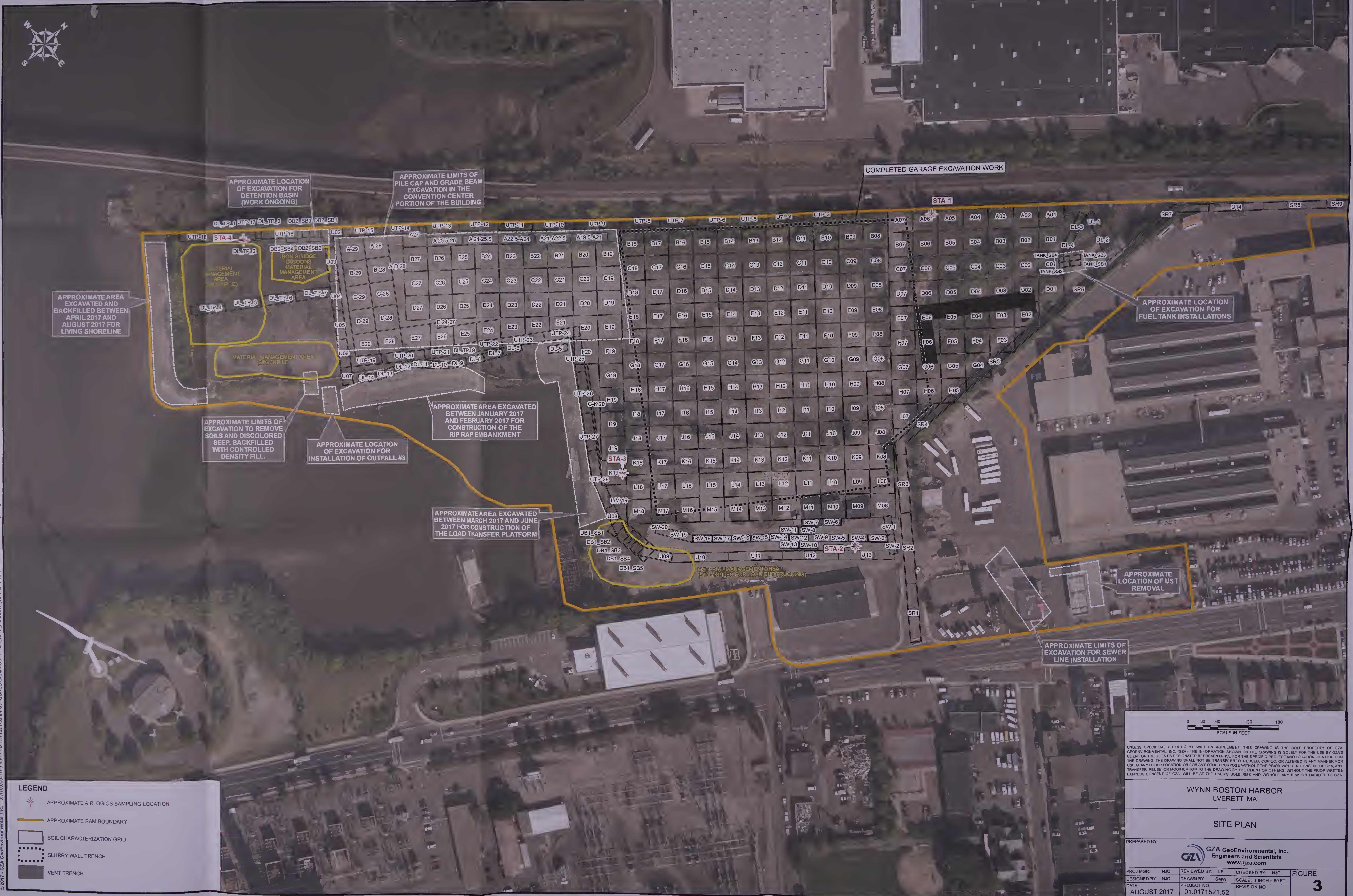
UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

WYNN BOSTON HARBOR
1 HORIZON WAY
EVERETT, MASSACHUSETTS

PROPERTIES WITHIN RAM BOUNDARY

PREPARED BY: **GZA** GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: WYNN MA, LLC	
PROJ MGR: DEL	REVIEWED BY: MMS	CHECKED BY: LF	FIGURE 2
DESIGNED BY: MMS	DRAWN BY: JJZ	SCALE: AS SHOWN	
DATE: AUGUST, 2017	PROJECT NO. 01.0171521.52	REVISION NO.	

© 2016 – GZA GeoEnvironmental, Inc. GZA-J:\Branch Offices\01\01.0171521.00 Everett Land Development\Figures and CAD\Remdiation CAD\RAM CAD for Vijay\Figure 2-4 – RAM Boundary.dwg [Figure 1 (072717)] August 28, 2017 – 1:45pm joshua.zoll


N
E
S
W
COMPLETED GARAGE EXCAVATION WORK
APPROXIMATE LOCATION OF EXCAVATION FOR DETENTION BASIN (WORK ONGOING)
APPROXIMATE LIMITS OF PILE CAP AND GRADE BEAM EXCAVATION IN THE CONVENTION CENTER PORTION OF THE BUILDING
APPROXIMATE AREA EXCAVATED AND BACKFILLED BETWEEN APRIL 2017 AND AUGUST 2017 FOR LIVING SHORELINE
MATERIAL MANAGEMENT AREA (STOCKPILE)
IRON SLUDGE LAGOONS MATERIAL MANAGEMENT AREA
MATERIAL MANAGEMENT AREA STOCKPILE
APPROXIMATE LIMITS OF EXCAVATION TO REMOVE SOILS AND DISCOLORED SEEP. BACKFILLED WITH CONTROLLED DENSITY FILL.
APPROXIMATE LOCATION OF EXCAVATION FOR INSTALLATION OF OUTFALL #3
APPROXIMATE AREA EXCAVATED BETWEEN JANUARY 2017 AND FEBRUARY 2017 FOR CONSTRUCTION OF THE RIP RAP EMBANKMENT
APPROXIMATE AREA EXCAVATED BETWEEN MARCH 2017 AND JUNE 2017 FOR CONSTRUCTION OF THE LOAD TRANSFER PLATFORM
MATERIAL MANAGEMENT AREA (STOCKPILES FOR LOAD OUT TRUCKING)
APPROXIMATE LOCATION OF FUEL TANK INSTALLATIONS
APPROXIMATE LOCATION OF UST REMOVAL
APPROXIMATE LIMITS OF EXCAVATION FOR SEWER LINE INSTALLATION
STA-1
STA-2
STA-3
STA-4
TANK_SB1
TANK_SB2
TANK_SB3
TANK_SB4
DB1_SB1
DB1_SB2
DB1_SB3
DB1_SB4
DB1_SB5
DB2_SB1
DB2_SB2
DB2_SB3
DB2_SB4
SR1
SR2
SR3
SR4
SR5
SR6
SR7
SR8
SR9

LEGEND

✳ APPROXIMATE AIRLOGICS SAMPLING LOCATION

▬ APPROXIMATE RAM BOUNDARY

☐ SOIL CHARACTERIZATION GRID

⬚ SLURRY WALL TRENCH

▇ VENT TRENCH

0 30 60 120 180
SCALE IN FEET

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR THE USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA

WYNN BOSTON HARBOR
EVERETT, MA

SITE PLAN

PREPARED BY
GZA GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

PROJ MGR: NJC	REVIEWED BY: LF	CHECKED BY: NJC	FIGURE 3
DESIGNED BY: NJC	DRAWN BY: SMW	SCALE: 1 INCH = 80 FT	
DATE: AUGUST 2017	PROJECT NO. 01.0171521.52	REVISION NO.	

© 2017 - GZA GeoEnvironmental, Inc. J:\170,000-179,999\171521\171521-52.MPS\FIGURES\GIS\MXDs\171521_RAM_AUG2017_v2.mxd, 8/30/2017, 3:48:37 PM, anthony.pungitore

Appendix A - Transmittal Form BWSC106

Massachusetts Department of Environmental Protection

eDEP Transaction Copy

Here is the file you requested for your records.

To retain a copy of this file you must save and/or print.

Username:	KGERRA
Transaction ID:	948807
Document:	BWSC106 Release Abatement Measure Transmittal Form
Size of File:	177.74K
Status of Transaction:	In Process
Date and Time Created:	8/24/2017:5:29:35 PM

Note: This file only includes forms that were part of your transaction as of the date and time indicated above. If you need a more current copy of your transaction, return to eDEP and select to "Download a Copy" from the Current Submittals page.

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

**RELEASE ABATEMENT MEASURE (RAM)
TRANSMITTAL FORM**
Pursuant to 310 CMR 40.0444 - 0446 (Subpart D)

BWSC 106

Release Tracking Number
3 - 13341

A. SITE LOCATION:

1. Site Name/Location Aid: EVERETT STAGING YARD

2. Street Address: 1 HORIZON WAY

3. City/Town: EVERETT 4. Zip Code: 021490000

☑ 5. Check here if the disposal site that is the source of the release is Tier Classified. Check the current Tier Classification Category.

☐ a. Tier I ☐ b. Tier ID ☑ c. Tier II

B. THIS FORM IS BEING USED TO: (check all that apply)

1. List Submittal Date of Initial RAM Plan (if previously submitted): 5/3/2016
(mm/dd/yyyy)

☐ 2. Submit an **Initial Release Abatement Measure (RAM) Plan.**

☐ a. Check here if the RAM is being conducted as part of the construction of a permanent structure. If checked, you must specify what type of permanent structure is to be erected in or in the immediate vicinity of the area where the RAM is to be conducted.

b. Specify type of permanent structure: (check all that apply) ☐ i. School ☐ ii. Residential ☐ iii. Commercial

☐ iv. Industrial ☐ v. Other Specify:

☐ 3. Submit a **Modified RAM Plan** of a previously submitted RAM Plan.

☑ 4. Submit a **RAM Status Report.**

☐ 5. Submit a **Remedial Monitoring Report.** (This report can only be submitted through eDEP, concurrent with a RAM Status Report.)

a. Type of Report: (check one) ☐ i. Initial Report ☐ ii. Interim Report ☐ iii. Final Report

b. Frequency of Submittal:

☐ i. A Remedial Monitoring Report(s) submitted every six months, concurrent with a RAM Status Report.
☐ ii. A Remedial Monitoring Report(s) submitted annually, concurrent with a RAM Status Report.

c. Number of Remedial Systems and/or Monitoring Programs:

A separate BWSC106A, RAM Remedial Monitoring Report, must be filled out for each Remedial System and/or Monitoring Program addressed by this transmittal form.

☐ 6. Submit a **RAM Completion Statement.**

☐ 7. Submit a **Revised RAM Completion Statement.**

8. Provide Additional RTNs:

☑ a. Check here if this RAM Submittal covers additional Release Tracking Numbers (RTNs). RTNs that have been previously linked to a Primary Tier Classified RTN do not need to be listed here. This section is intended to allow a RAM to cover more than one unclassified RTN and not show permanent linkage to a Primary Tier Classified RTN.

b. Provide the additional Release Tracking Number(s) covered by this RAM Submittal. 3 - 17760 3 - 1850

☐ 9. Include in the **RAM Plan** or **Modified RAM Plan** a **Plan for the Application of Remedial Additives** near a sensitive receptor, pursuant to 310 CMR 40.0046(3).

(All sections of this transmittal form must be filled out unless otherwise noted above)

C. RELEASE OR THREAT OF RELEASE CONDITIONS THAT WARRANT RAM:

1. Media Impacted and Receptors Affected: (check all that apply) ☐ a. Paved Surface ☐ b. Basement ☐ c. School
☐ d. Public Water Supply ☐ e. Surface Water ☐ f. Zone 2 ☐ g. Private Well ☐ h. Residence ☑ i. Soil
☑ j. Ground Water ☑ k. Sediments ☐ l. Wetland ☐ m. Storm Drain ☐ n. Indoor Air ☐ o. Air
☐ p. Soil Gas ☐ q. Sub-Slab Soil Gas ☐ r. Critical Exposure Pathway ☐ s. NAPL ☐ t. Unknown
☐ u. Others Specify:

2. Sources of the Release or TOR: (check all that apply) ☐ a. Transformer ☐ b. Fuel Tank ☐ c. Pipe
☐ d. OHM Delivery ☐ e. AST ☐ f. Drums ☐ g. Tanker Truck ☐ h. Hose ☐ i. Line
☐ j. UST Describe: ☐ k. Vehicle ☐ l. Boat/Vessel
☐ m. Unknown ☑ n. Other: HISTORIC FILL AND MANUFACTURING

3. Type of Release or TOR: (check all that apply) ☐ a. Dumping ☐ b. Fire ☐ c. AST Removal ☐ d. Overfill
☐ e. Rupture ☐ f. Vehicle Accident ☐ g. Leak ☐ h. Spill ☐ i. Test Failure ☐ j. TOR Only
☐ k. UST Removal Describe:
☐ l. Unknown ☑ m. Other: HISTORIC FILL AND MANUFACTURING

4. Identify Oils and Hazardous Materials Released: (check all that apply) ☑ a. Oils ☑ b. Chlorinated Solvents
☑ c. Heavy Metals ☑ d. Others Specify: PCBS ASBESTOS

D. DESCRIPTION OF RESPONSE ACTIONS: (check all that apply, for volumes list cumulative amounts)

☐ 1. Assessment and/or Monitoring Only
☐ 2. Temporary Covers or Caps
☐ 3. Deployment of Absorbent or Containment Materials
☐ 4. Temporary Water Supplies
☐ 5. Structure Venting System/HVAC Modification System
☐ 6. Temporary Evacuation or Relocation of Residents
☐ 7. Product or NAPL Recovery
☐ 8. Fencing and Sign Posting
☐ 9. Groundwater Treatment Systems
☐ 10. Soil Vapor Extraction
☐ 11. Remedial Additives
☐ 12. Air Sparging
☐ 13. Active Exposure Pathway Mitigation System
☐ 14. Passive Exposure Pathway Mitigation System
☐ 15. Monitored Natural Attenuation
☐ 16. In-Situ Chemical Oxidation

D. DESCRIPTION OF RESPONSE ACTIONS (cont.): (check all that apply, for volumes list cumulative amounts)

☑ 17. Excavation of Contaminated Soils

☑ a. Re-use, Recycling or Treatment ☐ i. On Site Estimated volume in cubic yards
☑ ii. Off Site Estimated volume in cubic yards 83,290

iia. Receiving Facility: TALYOR COUNTY LANDFILL (TCL) Town: MAUK State: GA
iib. Receiving Facility: WASTE MANAGMENT OF NH (TREE) Town: ROCHESTER State: NH
iii. Describe: ~1,160 CY @ TCL; ~1,255 CY (AIS),~2,320 CY (TREATED AIS),~19,440 CY & 7,035 (TREATED) @ WM OF NH TREE; ~51,695 SUNNY FARMS LANDFILL, FOSTORIA, OH; ~385 CY SLUDGE CROSSROADS, NORRIDGEWOCK, ME

☐ b. Store ☐ i. On Site Estimated volume in cubic yards
☐ ii. Off Site Estimated volume in cubic yards

iia. Receiving Facility: Town: State:
iib. Receiving Facility: Town: State:

☑ c. Landfill ☑ i. Cover Estimated volume in cubic yards 6291
Receiving Facility: WASTE MANAGEMNT OF NH (TREE) Town: ROCHESTER State: NH
☑ ii. Disposal Estimated volume in cubic yards 10828
Receiving Facility: WASTE MANAGMENT OF NH (TREE) Town: ROCHESTER State: NH

☑ 18. Removal of Drums, Tanks or Containers:

a. Describe Quantity and Amount: ~26 CY NON-FRIABLE ACM IN 2 6-ML POLY BAGGED TO MINERVA. ~35CY NON-FRIABLE IN 2 6-ML POLY BAGGED TO FRANK ROAD RECYCLING SOLUTIONS.

b. Receiving Facility: MINERVA ENTERPRISES Town: WAYNESBURG State: OH
c. Receiving Facility: · FRANK ROAD RECYCLING SOLUTIONS Town: GROVE CITY State: OH

☑ 19. Removal of Other Contaminated Media:

a. Specify Type and Volume: 1 14,000&1-10,000 G GASOLINE UST&1-6,000 G DIESEL UST, ALLIED, 318 G OILY-WATER, CYN, 470 LBS TANK SLUDGE NORTHLAND ENVIRONMENTAL, PROVIDENCE, RI AND 318 CY SLUDGE CROSSROADS, NORRIDGEWOCK, ME

b. Receiving Facility: ALLIED RECYCLING CENTER Town: WALPOLE State: MA
c. Receiving Facility: CYN OIL CORPORATION Town: STOUGHTON State: MA

☑ 20. Other Response Actions:

Describe: OTHER SOIL(CY) : ~1,020 FITCHBURG LANDFILL; ~1,345 MIDDLEBOROUGH LANDFILL;~4,985 TAUNTON LANDFILL; ~11,875 GREENACRES (RCS-1); ~1,655 US ECOLOGY (MI); ~20,030 (FALL RIVER, CLINTON, HOPEDALE LANDFILLS)

☐ 21. Use of Innovative Technologies:

Describe:

E. LSP SIGNATURE AND STAMP :

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this transmittal form, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of (i) the standard of care in 309 CMR 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and 309 CMR 4.03(2), and (iii) the provisions of 309 CMR 4.03(3), to the best of my knowledge, information and belief,

> if Section B of this form indicates that a **Release Abatement Measure Plan** is being submitted, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> if Section B of this form indicates that a **Release Abatement Measure Status Report** and/or **Remedial Monitoring Report** is being submitted, the response action(s) that is (are) the subject of this submittal (i) is (are) being implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) comply (ies) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> if Section B of this form indicates that a **Release Abatement Measure Completion Statement** is being submitted, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed and implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal:

I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete.

1. LSP #: 8107
2. First Name: LAWRENCE
3. Last Name: FELDMAN
4. Telephone: 7812783700
5. Ext.:
6. Email:
7. Signature:
8. Date: (mm/dd/yyyy)
9. LSP Stamp:

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

RELEASE ABATEMENT MEASURE (RAM) TRANSMITTAL FORM
Pursuant to 310 CMR 40.0444 - 0446 (Subpart D)

BWSC 106

Release Tracking Number
3 - 13341

F. PERSON UNDERTAKING RAM:

1. Check all that apply: ☑ a. change in contact name ☐ b. change of address ☐ c. change in the person undertaking response actions

2. Name of Organization: WYNN MA LLC
3. Contact First Name: ROBERT
4. Last Name: DESALVIO
5. Street: 101 STATION LANDING FLOOR 2
6. Title: PRESIDENT
7. City/Town: MEDFORD
8. State: MA
9. ZIP Code: 021550000
10. Telephone: 8477707801
11. Ext.:
12. Email: robert.desalvio@wynnre

G. RELATIONSHIP TO RELEASE OR THREAT OF RELEASE OF PERSON UNDERTAKING RAM:

☐ Check here to change relationship

☑ 1. RP or PRP ☐ a. Owner ☐ b. Operator ☐ c. Generator ☐ d. Transporter
☑ e. Other RP or PRP Specify: ELIGIBLE OWNER/OPERATOR

☐ 2. Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)

☐ 3. Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))

☐ 4. Any Other Person Undertaking RAM Specify Relationship:

H. REQUIRED ATTACHMENT AND SUBMITTALS:

☐ 1. Check here if any Remediation Waste, generated as a result of this RAM, will be stored, treated, managed, recycled or reused at the site following submission of the RAM Completion Statement. You must submit a Phase IV Remedy Implementation Plan along with the appropriate transmittal form (BWSC108).

☐ 2. Check here if the Response Action(s) on which this opinion is based, if any, are (were) subject to any order(s), permit(s) and/or approval(s) issued by DEP or EPA. If the box is checked, you MUST attach a statement identifying the applicable provisions thereof.

☐ 3. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of the implementation of a Release Abatement Measure.

☐ 4. Check here if any non-updatable information provided on this form is incorrect, e.g. Release Address/Location Aid. Send corrections to bwsc.edep@state.ma.us.

☐ 5. If a RAM Compliance Fee is required for this RAM, check here to certify that a RAM Compliance Fee was submitted to DEP, P. O. Box 4062, Boston, MA 02211.

☑ 6. Check here to certify that the LSP Opinion containing the material facts, data, and other information is attached.

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

RELEASE ABATEMENT MEASURE (RAM)
TRANSMITTAL FORM
Pursuant to 310 CMR 40.0444 - 0446 (Subpart D)

BWSC 106

Release Tracking Number
3 - 13341

I. CERTIFICATION OF PERSON UNDERTAKING RAM:

1. I, ______________________, attest under the pains and penalties of perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this transmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in this submittal is, to the best of my knowledge and belief, true, accurate and complete, and (iii) that I am fully authorized to make this attestation on behalf of the entity legally responsible for this submittal. I/the person or entity on whose behalf this submittal is made am/is aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

2. By: ______________________ (Signature)

3. Title: PRESIDENT

4. For: WYNN MA LLC (Name of person or entity recorded in Section F)

5. Date: ______________________ (mm dd yyyy)

☐ 6. Check here if the address of the person providing certification is different from address recorded in Section F.

7. Street: ______________________

8. City/Town: ______________________ 9. State: __________ 10. ZIP Code: __________

11. Telephone: ______________________ 12. Ext.: __________ 13. Email: __________

YOU ARE SUBJECT TO AN ANNUAL COMPLIANCE ASSURANCE FEE OF UP TO $10,000 PER BILLABLE YEAR FOR THIS DISPOSAL SITE. YOU MUST LEGIBLY COMPLETE ALL RELEVANT SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE

Date Stamp (DEP USE ONLY:)

Appendix B – Limitations

USE OF REPORT

1. GZA GeoEnvironmental, Inc. (GZA) prepared this report on behalf of, and for the exclusive use of our Client for the stated purpose(s) and location(s) identified in the Proposal for Services and/or Report. Use of this report, in whole or in part, at other locations, or for other purposes, may lead to inappropriate conclusions; and we do not accept any responsibility for the consequences of such use(s). Further, reliance by any party not expressly identified in the agreement, for any use, without our prior written permission, shall be at that party's sole risk, and without any liability to GZA.

STANDARD OF CARE

2. GZA's findings and conclusions are based on the work conducted as part of the Scope of Services set forth in the Proposal for Services and/or Report and reflect our professional judgment. These findings and conclusions must be considered not as scientific or engineering certainties, but rather as our professional opinions concerning the limited data gathered during the course of our work. Conditions other than described in this report may be found at the subject location(s).

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4. In conducting our work, GZA relied upon certain information made available by public agencies, Client and/or others. GZA did not attempt to independently verify the accuracy or completeness of that information. Inconsistencies in this information which we have noted, if any, are discussed in the Report.

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5. The generalized soil profile(s) provided in our Report are based on widely-spaced subsurface explorations and are intended only to convey trends in subsurface conditions. The boundaries between strata are approximate and idealized, and were based on our assessment of subsurface conditions. The composition of strata, and the transitions between strata, may be more variable and more complex than indicated. For more specific information on soil conditions at a specific location refer to the exploration logs. The nature and extent of variations between these explorations may not become evident until further exploration or construction. If variations or other latent conditions then become evident, it will be necessary to reevaluate the conclusions and recommendations of this report.

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7. We used reasonable care in identifying and interpreting applicable codes and regulations necessary to execute our scope of work. These codes and regulations are subject to various, and possibly contradictory, interpretations. Interpretations and compliance with codes and regulations by other parties is beyond our control.

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9. Our interpretation of field screening and laboratory data is presented in the Report. Unless otherwise noted, we relied upon the laboratory's QA/QC program to validate these data.

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11. Our opinions are based on available information as described in the Report, and on our professional judgment. Additional observations made over time, and/or space, may not support the opinions provided in the Report.

ADDITIONAL INFORMATION

12. In the event that the Client or others authorized to use this report obtain additional information on environmental or hazardous waste issues at the Site not contained in this report, such information shall be brought to GZA's attention forthwith. GZA will evaluate such information and, on the basis of this evaluation, may modify the conclusions stated in this report.

ADDITIONAL SERVICES

13. GZA recommends that we be retained to provide services during any future investigations, design, implementation activities, construction, and/or property development/ redevelopment at the Site. This will allow us the opportunity to: i) observe conditions and compliance with our design concepts and opinions; ii) allow for changes in the event that conditions are other than anticipated; iii) provide modifications to our design; and iv) assess the consequences of changes in technologies and/or regulations.

CONCEPTUAL SITE MODEL

14. Our opinions were developed, in part, based upon a comparison of site data to conditions anticipated within our Conceptual Site Model (CSM). The CSM is based on available information, and professional judgment. There are rarely sufficient data to develop a unique CSM. Therefore observations over time, and/or space, may vary from those depicted in the CSM provided in this report. In addition, the CSM should be evaluated and refined (as appropriate) whenever significant new information and/or data is obtained.

RISK CHARACTERIZATION

15. Our risk evaluation was performed in accordance with generally accepted practices of appropriate Federal and/or state regulatory agencies, and of other consultants undertaking similar studies at the same time, for similar purposes, and under similar circumstances. The findings of the risk evaluation are dependent on the numerous assumptions and uncertainties inherent in the risk characterization process. Sources of the uncertainty may include Site conditions; Site use; the nature, extent, concentration and distribution of contaminants; and the available toxicity and/or health/risk based regulatory information. Consequently, the findings of the risk characterization are not an absolute

characterization of actual risks; but rather serve to highlight potential incremental risks associated with activities indicated in the Report. Actual risks may be other than indicated in the Report.

Appendix C – UST Removal Documentation (38 Broadway)

Proactive by Design

GEOTECHNICAL
ENVIRONMENTAL
ECOLOGICAL
WATER
CONSTRUCTION MANAGEMENT

249 Vanderbilt Avenue
Norwood, MA 02062
T: 781.278.3700
F: 781.278.5701
F: 781.278.5702
www.gza.com

August 9, 2017
File No. 01.0171521.52

Mr. Alfred Carrier
Wynn Design and Development
3 Charlton Street
Everett, Massachusetts 02149

Re: Underground Storage Tank Removal – Mobil Property
38 Broadway
Everett, Massachusetts 02149
Wynn Boston Harbor

Dear Mr. Carrier:

GZA GeoEnvironmental, Inc. (GZA), on behalf of Wynn MA, LLC (Wynn MA), has prepared this letter report summarizing activities related to the removal of three underground storage tanks (USTs) at the Mobil property located at 38 Broadway in Everett Massachusetts (the Site). This letter report has been prepared in accordance with the Limitations included in Appendix A.

OBJECTIVES

The objectives of GZA's services were to observe, document and report on subsurface conditions during the removal of three (3) existing double-walled, fiberglass USTs that previously contained gasoline and diesel fuel. GZA collected representative soil samples from the sidewalls and bottoms of the tank graves to evaluate the presence of potential impacts to soil and groundwater.

SUMMARY OF WORK

On June 15, 2017, a representative from GZA observed the excavation and removal of one 14,000-gallon and one 10,000-gallon UST at the Site. Both USTs were observed to of double-walled fiberglass construction, and are both known to have contained gasoline. Prior to removal, Cyn Environmental (Cyn) pumped out remaining gasoline from inside the tanks into a vac-truck and pressure-washed the interior of the tanks for a final cleaning. JDC Demolition (JDC) used an excavator to remove the surrounding material at each of the two USTs. The excavated material consisted predominantly of ¼-inch pea-stone gravel and was temporarily stockpiled adjacent to the excavation. No visible petroleum impacts were observed on the material removed from the excavation. The area excavated was approximately 30 feet wide by 60 feet long by 10 feet deep. Groundwater was observed in the excavation approximately 10 feet below ground surface (bgs).

An Equal Opportunity Employer M/F/V/H

JDC removed both USTs from the excavation and downsized the tanks by crushing them with an excavator. Prior to downsizing, GZA observed that both tanks appeared to be in good condition with no evidence of damage or leakage. The debris from the fiberglass tanks was placed into two roll-off containers and transported off site for disposal.

Upon removal of the tanks, GZA's field engineer collected composite soil samples from five representative locations within the excavation. Samples were collected from the bottom and from the four sidewalls of the excavation. Soil samples were submitted to Alpha Analytical Laboratory in Westborough, Massachusetts (Alpha), for analytical testing of extractable petroleum hydrocarbons (EPH) and volatile petroleum hydrocarbons (VPH). In addition, GZA's field engineer collected soil samples at each location for field headspace screening of volatile organic compounds (VOCs) using a Photoionization Detector (PID). Field VOC screening readings ranged between 0.0 ppm and 0.7 ppm, with the highest reading (0.7 ppm) from the northern sidewall of the excavation. At approximately 13:30 hrs., after, both tanks had been removed from the ground, a representative from the Everett Fire Department came on site to observe the excavation. With the concurrence of the Fire Department, JDC backfilled the previously excavated material into the excavation.

On June 16, 2017, a representative from GZA observed the excavation and removal of a 6,000-gallon underground diesel fuel storage tank at the Site. The UST was observed to be of double-walled fiberglass construction. Prior to removal, Cyn pumped out the remaining diesel fuel from inside the tank and into a vac-truck and pressure-washed the interior of the tank for a final cleaning. JDC used an excavator to remove the surrounding material at the location of the UST. The excavated material consisted predominantly of ¼-inch pea-stone gravel with some urban fill in shallower sections of the excavation, and was temporarily stockpiled adjacent to the excavation. No visible petroleum impacts were observed on the material removed from the excavation. The area excavated was approximately 20 feet wide by 30 feet long by 10 feet deep. Groundwater was not observed in the excavation. JDC removed the UST from the excavation and downsized the tank by crushing it with an excavator. Prior to downsizing, GZA observed that the tank appeared to be in good condition with no evidence of damage or leakage. Demolition debris from the fiberglass tank was containerized into a roll-off container and transported off site for disposal. Upon removal of the tank, GZA's field engineer collected composite soil samples from five representative locations within the excavation. Samples was collected at the bottom and four sidewalls of the excavation. Soil samples submitted to Alpha for analytical testing of EPH and VPH. In addition, GZA's field engineer collected soil samples from each location for field headspace screening of VOCs using a PID. Field VOC screening indicated a range of VOCs between 0.0 ppm and 0.5 ppm, with the highest VOC measurement (0.5 ppm) collected from the eastern sidewall of the excavation. At approximately 11:00 hrs. a representative from the Everett Fire Department was on site to observe the excavation once the UST had been removed from the ground. Upon inspection by the Fire Department, JDC backfilled previously excavated material into the excavation.

Tank removal permits and disposal receipts, as provided by TRC Solutions, Inc. (TRC), are included as Appendix B.

SUMMARY OF ANALYTICAL RESULTS

Analytical results from the laboratory testing of soil samples collected on June 15 and 16 indicated that EPH and VPH concentrations were below applicable Massachusetts Contingency Plan (MCP) Reportable Concentration for Soil Categorized as RCS-2. Laboratory results are summarized in Table 1, and analytical reports are included as Appendix C. These low-level detections of petroleum constituents do not appear to have been related to leaks from the three removed tanks, but may be related to historic, relatively minor releases at the Site.

If you have any questions or need further information, please contact the undersigned at 781-278-3700.

Very truly yours,

GZA GEOENVIRONMENTAL, INC.

Daniel R. Scanlon
Assistant Project Manager

David E. Leone, LSP
Associate Principal, Consultant/Reviewer

Lawrence Feldman

Lawrence Feldman, LSP
Senior Principal

Attachments:
- Table 1 – Laboratory Data
- Figure 1 – Field Sketch
- Appendix A - Limitations
- Appendix B – Tank Closure Permits and Receipts
- Appendix C – Laboratory Analytical Report

C:\Users\kristinn.gerra\Documents\New Branded Templates\Norwood Letter Report.docx

TABLE

8/9/2017

TABLE 1
SOIL ANALYTICAL RESULTS
UST Closure
38 Broadway
Everett, Massachusetts

	TANKS 14&10-NORTH	**TANKS 14&10-SOUTH**	**TANKS 14&10-EAST**	**TANKS 14&10-WEST**	**TANKS 14&10-BOTTOM**	**TANK 6-NORTH**	**TANK 6-SOUTH**	**TANK 6-EAST**	**TANK 6-WEST**	**TANK 6-BOTTOM**	**MCP RCS-2**
Sampling Date	15-Jun-17	15-Jun-17	15-Jun-17	15-Jun-17	15-Jun-17	16-Jun-17	16-Jun-17	16-Jun-17	16-Jun-17	16-Jun-17	
Volatile Petroleum Hydrocarbons											
C9-C10 Aromatics	<4.01	<1.73	<1.77	<1.53	<1.46	<3.64	<3.55	<3.83	<3.86	<2.88	500
C5-C8 Aliphatics	<4.01	<1.73	<1.77	<1.53	<1.46	<3.64	<3.55	<3.83	<3.86	<2.88	500
C9-C12 Aliphatics	<4.01	<1.73	<1.77	<1.53	<1.46	<3.64	<3.55	<3.83	<3.86	<2.88	3000
Benzene	<0.160	<0.069	<0.071	<0.061	<0.058	<0.146	<0.142	<0.153	<0.154	<0.115	200
Toluene	<0.160	<0.069	<0.071	<0.061	<0.058	<0.146	<0.142	<0.153	<0.154	<0.115	1000
Ethylbenzene	<0.160	<0.069	<0.071	<0.061	<0.058	<0.146	<0.142	<0.153	<0.154	<0.115	1000
p/m-Xylene	<0.160	<0.069	<0.071	<0.061	<0.058	<0.146	<0.142	<0.153	<0.154	<0.115	100
o-Xylene	<0.160	<0.069	<0.071	<0.061	<0.058	<0.146	<0.142	<0.153	<0.154	<0.115	100
Methyl tert butyl ether	0.09	<0.035	<0.035	<0.031	<0.029	<0.073	<0.071	0.318	<0.077	**0.068**	100
Naphthalene	<0.321	<0.138	<0.142	<0.123	<0.117	<0.291	<0.284	<0.306	<0.309	<0.230	20
Extractable Petroleum Hydrocarbons											
C9-C18 Aliphatics	<8.35	<6.84	<7.24	<6.71	<6.72	<7.97	<8.22	**18.8**	<8.04	<7.63	3000
C19-C36 Aliphatics	**18.1**	<6.84	<7.24	<6.71	<6.72	**21.8**	**33.5**	**228**	**8.71**	**12.7**	5000
C11-C22 Aromatics	**15**	<6.84	<7.24	<6.71	<6.72	**24.7**	**36.8**	**126**	**32.1**	**30.8**	3000
Naphthalene	<0.418	<0.342	<0.362	<0.335	<0.336	<0.398	<0.411	<0.394	<0.402	<0.381	20
2-Methylnaphthalene	<0.418	<0.342	<0.362	<0.335	<0.336	<0.398	<0.411	<0.394	<0.402	<0.381	80
Acenaphthylene	<0.418	<0.342	<0.362	<0.335	<0.336	<0.398	<0.411	<0.394	<0.402	<0.381	10
Acenaphthene	<0.418	<0.342	<0.362	<0.335	<0.336	<0.398	<0.411	<0.394	<0.402	<0.381	3000
Fluorene	<0.418	<0.342	<0.362	<0.335	<0.336	<0.398	<0.411	<0.394	<0.402	<0.381	3000
Phenanthrene	<0.418	<0.342	<0.362	<0.335	<0.336	<0.398	**0.723**	**0.591**	<0.402	<0.381	1000
Anthracene	<0.418	<0.342	<0.362	<0.335	<0.336	<0.398	<0.411	<0.394	<0.402	<0.381	3000
Fluoranthene	<0.418	<0.342	<0.362	<0.335	<0.336	**0.415**	**1.5**	**1.24**	**0.682**	**0.439**	3000
Pyrene	<0.418	<0.342	<0.362	<0.335	<0.336	**0.42**	**1.26**	**1.18**	**0.62**	**0.407**	3000
Benzo(a)anthracene	<0.418	<0.342	<0.362	<0.335	<0.336	<0.398	**0.666**	**0.684**	<0.402	<0.381	40
Chrysene	<0.418	<0.342	<0.362	<0.335	<0.336	<0.398	**0.72**	**1.08**	<0.402	<0.381	400
Benzo(b)fluoranthene	<0.418	<0.342	<0.362	<0.335	<0.336	<0.398	**0.568**	**1.15**	<0.402	<0.381	40
Benzo(k)fluoranthene	<0.418	<0.342	<0.362	<0.335	<0.336	<0.398	**0.568**	**0.865**	<0.402	<0.381	400
Benzo(a)pyrene	<0.418	<0.342	<0.362	<0.335	<0.336	<0.398	**0.542**	**0.701**	<0.402	<0.381	7
Indeno(1,2,3-cd)Pyrene	<0.418	<0.342	<0.362	<0.335	<0.336	<0.398	<0.411	**0.621**	<0.402	<0.381	40
Dibenzo(a,h)anthracene	<0.418	<0.342	<0.362	<0.335	<0.336	<0.398	<0.411	<0.394	<0.402	<0.381	4
Benzo(ghi)perylene	<0.418	<0.342	<0.362	<0.335	<0.336	<0.398	<0.411	**0.524**	<0.402	<0.381	3000

All result in milligrams per kilogram
MCP: Massachustts Contingency plan
RCS-2: Reportable Concentration for Soil
Categorized as RCS-2

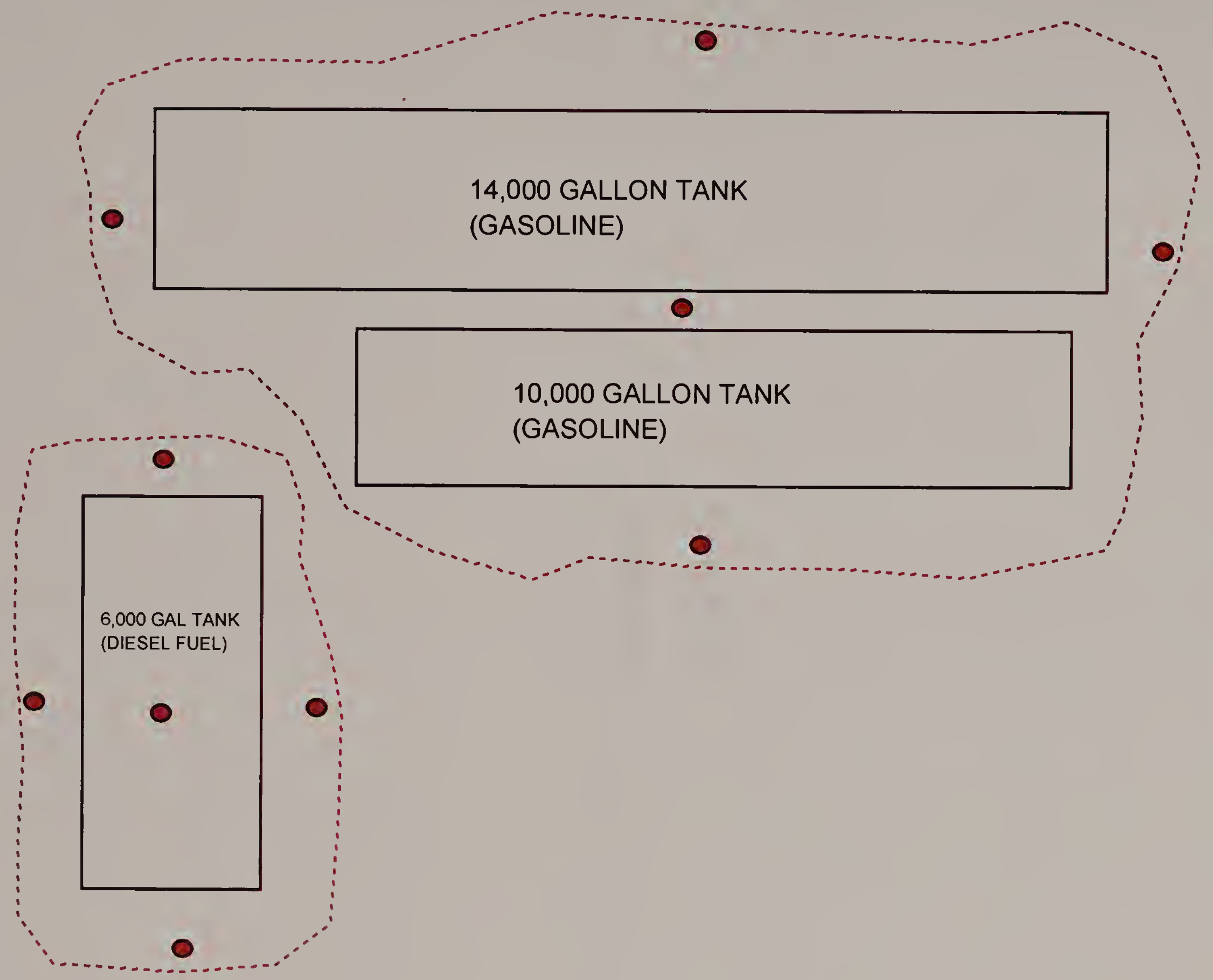
J:\170,000-179,999\171521\171521-52.MPS\UST Pull (Mobil Lot)\Wynn UST Data.xlsx

FIGURE

FIELD SKETCH

UST Removal (Mobil Lot)

Date: 6/15/17 - 6/16/17



LEGEND

APPROXIMATE STOCKPILE SAMPLE LOCATIONS

● APPROXIMATE SOIL SAMPLE LOCATIONS

- - - - APPROXIMATE LIMITS OF EXCAVATION

SOURCE

1) THIS MAP CONTAINS THE ESRI ArcGIS ONLINE WORLD IMAGERY MAP SERVICE, PUBLISHED DECEMBER 12, 2009 BY ESRI ARCIMS SERVICES AND UPDATED OFTEN. THIS SERVICE USES UNIFORM NATIONALLY RECOGNIZED DATUM AND CARTOGRAPHY STANDARDS AND A VARIETY OF AVAILABLE SOURCES FROM SEVERAL DATA PROVIDERS.

2) THE LOCATIONSAMPLING LOCATIONS & SELECTED SITE FEATURES, EXPLORATIONS WERE APPROXIMATELY DETERMINED BY GPS AND LINE OF SIGHT. THIS DATA SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.

0 10 20 40
SCALE IN FEET

N

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL INC (GZA) THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR THE USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA

1 Horizon Way
EVERETT, MASSACHUSETTS

SAMPLE LOCATION PLAN

PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: Wynn	
PROJ MGR. MMS	REVIEWED	CHECKED BY: LF	FIGURE 1
DESIGNED BY: MDD	DRAWN BY:	SCALE 1" = 20 FEET	
DATE: 6/16/17	PROJECT NO. 01.0171521.52	REVISION NO.	

© 2016 - GZA GeoEnvironmental, Inc J:\170,000-179,999\171521\171521-52 MPS\FIGURES

APPENDIX A

LIMITATIONS

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APPENDIX B

TANK CLOSURE PERMITS AND RECEIPTS

208730 NH

CBOW 200 412

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MP7742077581
2. Page 1 of: 1
3. Emergency Response Phone: (800) 888-1038
4. Manifest Tracking Number: 016737331 JJK

5. Generator's Name and Mailing Address:
Mobil Mart, c/o JDC Demolition Co
60 Gerard St
Boston MA 02119

Generator's Phone: 508 897-8090

Generator's Site Address (if different than mailing address):
Mobil Mart
38 Broadway
Everett MA

6. Transporter 1 Company Name: Cyn Oil Corporation
U.S. EPA ID Number: MAD082303777

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
Cyn Oil Corporation
1771 Washington St.
Stoughton MA 02072

Facility's Phone: 781 341-1777

U.S. EPA ID Number: MAD082303777

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1 OW, State Regulated Waste Oily Water (Non-DOT Regulated Material)	001	TT	133	G	MA98
	2 ~~OS, State Regulated Waste Oily Solids (Non-DOT Regulated Material)~~	~~001~~	~~TT~~			~~MA01~~
	3.					
	4.					

14. Special Handling Instructions and Additional Information: 1)(L) OIL AND WATER 2)(S) OILY SOLIDS

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: X Alfred J. Carrier
Signature: X Alf J Carri
Month Day Year: 6 15 17

16. International Shipments ☐ Import to U.S. ☐ Export from U.S.
Port of entry/exit:
Transporter signature (for exports only):
Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: William Pendleton
Signature: William Pendleton
Month Day Year: 6 15 17

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H141
2.
3.
4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Richard Williams
Signature: R Williams
Month Day Year: 06 20 17

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

GENERATOR

INTL

TRANSPORTER

DESIGNATED FACILITY

208730 NH CBOW 217

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: M P 7 7 4 2 8 7 7 5 8 1

2. Page 1 of: 1

3. Emergency Response Phone: (800) 888-1038

4. Manifest Tracking Number: 016737335 JJK

5. Generator's Name and Mailing Address
Mobil Mart, c/o JDC Demolition Co
60 Gerard St
Boston MA 02119

Generator's Site Address (if different than mailing address)
Mobil Mart
38 Broadway
Everett MA

Generator's Phone: 5 0 8 8 9 7 - 8 0 9 0

6. Transporter 1 Company Name: Cyn Oil Corporation
U.S. EPA ID Number: M A D 0 8 2 3 0 3 7 7 7

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Cyn Oil Corporation
1771 Washington St.
Stoughton MA 02072

Facility's Phone: 781 341-1777

U.S. EPA ID Number: M A D 0 8 2 3 0 3 7 7 7

9a HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1 OW, State Regulated Waste Oily Water (Non-DOT Regulated Material)	0 0 1	TT	185	G	MA98
	2 ~~OS, State Regulated Waste Oily Solids (Non-DOT Regulated Material)~~ KS	~~0 0 1~~	~~TT~~			~~MA01~~
	3.					
	4.					

14. Special Handling Instructions and Additional Information 1)(L) OIL AND WATER 2)(S) OILY SOLIDS

Virgin Diesel

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: JERRY PEREZ
Signature: Jerry Perez
Month Day Year: 06 16 17

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Kevin M. Sullivan
Signature:
Month Day Year: 06 16 17

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:

Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. H141
2.
3.
4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Richard A Thome
Signature: R. A. Thome
Month Day Year: 06 16 17

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

208730-NH 513955

2818971
562284-17

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number MP7742877591	2. Page 1 of 1	3. Emergency Response Phone (800) 899-1038	4. Waste Tracking Number 208730-NORTH

5. Generator's Name and Mailing Address
Mobil Mart, c/o JDC Demolition Co
60 Gerard St
Boston MA 02119
Generator's Phone: 608 897-8090

Generator's Site Address (if different than mailing address)
Mobil Mart
38 Broadway
Everett MA 02149

6. Transporter 1 Company Name
Cyn Oil Corporation
U.S. EPA ID Number MAD082303777

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Northland Environmental, LLC
275 Allens Ave.
Providence RI 02905
Facility's Phone: 401 781-6340
U.S. EPA ID Number RID040098352

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
X	1. UN1075, Petroleum gases, liquefied 2.1	001	CF	EST 0350	P
X	2. UN1075, Petroleum gases, liquefied 2.1	002	DM	0120	P
	3.				
	4.				

13. Special Handling Instructions and Additional Information
1)(L)Propane cylinders shipped for recovery/recycling. ERG#115
859769-00

[illegible]

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: X Jon Siesel
Signature: X
Month Day Year: 6 / 6 / 17

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Sean McCafferty
Signature: S McCafferty
Month Day Year: 6 / 6 / 17
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Karen Bunyan
Signature:
Month Day Year: 6 / 22 / 17

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

208730-00-NH
JDC

1 of 3

The Commonwealth of Massachusetts
Department of Fire Services – Office of the State Fire Marshal

RECEIPT OF DISPOSAL OF UNDERGROUND STEEL STORAGE TANK FORMERLY CONTAINING MOTOR FUEL

NAME AND ADDRESS OF APPROVED TANK YARD:
Allied Recycling Center, Inc.
1901 Main Street
Walpole, MA 02081

Approved tank yard no. 0015 Tank Yard Ledger 502 CMR 3.03(3) Number: 20170211

I certify under penalty of law I have personally examined the underground steel storage tank delivered to this "approved tank yard" by (firm, corporation or partnership) Cyn Environmental and accepted same in conformance with Office of the State Fire Marshal Regulations 502 CMR 3.00 Provisions for Approving Underground Steel Storage Tank Dismantling Yards. A valid permit was issued by the head of the LOCAL fire department FDID# 17093 to transport this tank to this yard.

Name and official title of approved tank yard owner or owners authorized representative:

Signature : Title : Scale Date signed: 6/16/17

TANK DATA:	TANK REMOVED FROM:
Gallons: 6,000	No. and Street: 38 Broadway
Previous contents: Fuel Oil	City and Town: Everett, MA
Diameter:	Fire Dept. Permit #:
Length:	Notes:
Date Received: 6/16/17	
Serial # (if available):	
Tank I.D. # (Form FP-290):	

EACH TANK MUST HAVE A RECEIPT OF DISPOSAL

Owner/Operator to mail revised copy of Notification Form (FP290, or FP290R) to:

Department of Environmental Protection
Bureau of Waste Prevention - UST Program
P.O. Box 120-0165
Boston, MA 02112-0165

This signed receipt of disposal must be returned to the head of the local fire department.

Make application to local fire department.
Fire department retains original application and issues duplicate as permit.

The Commonwealth of Massachusetts

Department of Fire Services – Office of the State Fire Marshal

APPLICATION and PERMIT

Fee: $150.00

for steel underground storage tank removal and transportation to approved tank disposal yard in accordance with the provisions of M.G.L. Chapter 148, Section 38A, 527 CMR 1.00 Section 1.12.8.40, application is hereby made by:

Tank Owner

Tank Owner Name (please print) Mobil Mart X ______ Signature (if applying for permit)

Address 38 Broadway (Street) Everett (City) MA (State) 02149 (Zip)

Removal Contractor

Company Name CYN Environmental (Print)

Address 100 Tosca Drive Stoughton, MA 02072 (Print)

Signature (if applying for permit) ______

☐ IFCI* Certified Other ______

Contamination Assessment

Co. or Individual ______ (Print)

Address ______ (Print)

Signature (if applying for permit) ______

☐ IFCI* Certified ☐ LSP # ______ Other ______

Tank Information

Tank Location 38 Broadway (Street Address) Everett (City)

Tank Capacity (gallons) 6,000 Gallon UST Substance Last Stored Fuel Oil

Tank Dimensions (diameter x length) 96" Dia X 16' Long

Remarks: Excavate, Clean, remove and Dispose of a 6,000 gallon diesel UST.

Disposal Information

Firm Transporting Waste Cyn Environmental State Lic. # MA40

Hazardous Waste Manifest# ______ E.P.A. # MAD082303777

Approved Tank Disposal Yard Allied Recycling Tank Yard # 0015

Type of Inert Gas CO2 Tank Yard Address 1901 Main Street Walpole, MA

Approvals

City or Town Everett FDID# 17093 Permit# ______

Date of Issue 6/15/17 Date of Expiration 7/31/17

Dig Safe approval number: 20172309255 Trenching Permit # EXCAVATION BY JDC DEMO

Dig Safe Toll Free Tel. Number - 000-322-4844

Signature / Title of Officer granting permit ______

After removal(s) ("consumptive use" fuel oil tanks exempted) send Form FP290 or Form FP-290R signed by the local fire department to MassDEP, Bureau of Waste Prevention UST Program, PO Box 120-0165, Boston, MA 02112-0165.

*International Fire Code Institute

FP-292 (Revised 1.1.2015)

208730-00-NH
JDC

2of3

The Commonwealth of Massachusetts
Department of Fire Services – Office of the State Fire Marshal

RECEIPT OF DISPOSAL OF UNDERGROUND STEEL STORAGE TANK FORMERLY CONTAINING MOTOR FUEL

NAME AND ADDRESS OF APPROVED TANK YARD:

Allied Recycling Center, Inc.
1901 Main Street
Walpole, MA 02081

Approved tank yard no. 0015 Tank Yard Ledger 502 CMR 3.03(3) Number: 20170212

I certify under penalty of law I have personally examined the underground steel storage tank delivered to this "approved tank yard" by (firm, corporation or partnership) Lyn Environmental and accepted same in conformance with Office of the State Fire Marshal Regulations 502 CMR 3.00 Provisions for Approving Underground Steel Storage Tank Dismantling Yards. A valid permit was issued by the head of the LOCAL fire department FDID# 17093 to transport this tank to this yard.

Name and official title of approved tank yard owner or owners authorized representative:

Signature : Title : Scale Date signed: 6/16/17

TANK DATA:

Gallons: 14,000
Previous contents: Gas
Diameter:
Length:
Date Received: 6/16/17
Serial # (if available):
Tank I.D. # (Form FP-290):

TANK REMOVED FROM:

No. and Street: 38 Broadway
City and Town: Everett, MA
Fire Dept. Permit #:
Notes:

EACH TANK MUST HAVE A RECEIPT OF DISPOSAL

Owner/Operator to mail revised copy of Notification Form (FP290, or FP290R) to:

Department of Environmental Protection
Bureau of Waste Prevention - UST Program
P.O. Box 120-0165
Boston, MA 02112-0165

This signed receipt of disposal must be returned to the head of the local fire department.

Make application to local fire department.
Fire department retains original application and issues duplicate as permit.

The Commonwealth of Massachusetts
Department of Fire Services – Office of the State Fire Marshal

APPLICATION and PERMIT

Fee: $150.00

for steel underground storage tank removal and transportation to approved tank disposal yard in accordance with the provisions of M.G.L. Chapter 148, Section 38A, 527 CMR 1.00 Section 1.12.8.40, application is hereby made by:

Tank Owner

Tank Owner Name (please print) Mobil Mart X ____ Signature (if applying for permit)

Address 38 Broadway (Street) Everett (City) MA (State) 02149 (Zip)

Removal Contractor

Company Name CYN Environmental (Print)

Address 100 Tosca Drive Stoughton, MA 02072 (Print)

Signature (if applying for permit) ____

D+ IFCI* Certified Other ____

Contamination Assessment

Co. or Individual ____ (Print)

Address ____ (Print)

Signature (if applying for permit) ____

D+ IFCI* Certified D+ LSP # ____ Other ____

Tank Information

Tank Location 38 Broadway (Street Address) Everett (City)

Tank Capacity (gallons) 14,000 Gallon UST Substance Last Stored Gas

Tank Dimensions (diameter x length) 126" Dia X 23' Long

Remarks: Excavate, Clean, remove and Dispose of a 14,000 gallon gas UST.

Disposal Information

Firm Transporting Waste Cyn Environmental State Lic. # MA40

Hazardous Waste Manifest# ____ E.P.A. # MAD082303777

Approved Tank Disposal Yard Allied Recycling Tank Yard # 0015

Type of Inert Gas CO2 Tank Yard Address 1901 Main Street Walpole, MA

Approvals

City or Town Everett FDID# 17093 Permit# ____

Date of Issue 6/15/17 Date of Expiration 7/31/17

Dig Safe approval number: 20172309255 Trenching Permit # EXCAVATION BY JDC DEMO

Dig Safe Toll Free Tel. Number 888-322-4844

Signature / Title of Officer granting permit ____

After removal(s) ("consumptive use" fuel oil tanks exempted) send Form FP290 or Form FP-290R signed by the local fire department to MassDEP, Bureau of Waste Prevention UST Program, PO Box 120-0165, Boston, MA 02112-0165.

*International Fire Code Institute

FP-292 (Revised 1.1.2015)

208730-00-NH
JDC
3 of 3

The Commonwealth of Massachusetts
Department of Fire Services – Office of the State Fire Marshal

RECEIPT OF DISPOSAL OF UNDERGROUND STEEL STORAGE TANK FORMERLY CONTAINING MOTOR FUEL

NAME AND ADDRESS OF APPROVED TANK YARD:

Allied Recycling Center, Inc.
1901 Main Street
Walpole, MA 02081

Approved tank yard no. 0015 Tank Yard Ledger 502 CMR 3.03(3) Number: 20170213

I certify under penalty of law I have personally examined the underground steel storage tank delivered to this "approved tank yard" by (firm, corporation or partnership) Cyn Environmental and accepted same in conformance with Office of the State Fire Marshal Regulations 502 CMR 3.00 Provisions for Approving Underground Steel Storage Tank Dismantling Yards. A valid permit was issued by the head of the LOCAL fire department FDID# 17093 to transport this tank to this yard.

Name and official title of approved tank yard owner or owners authorized representative:

Signature: Title: Scale Date signed: 6/16/17

TANK DATA:	**TANK REMOVED FROM:**
Gallons: 10,000	No. and Street: 38 Broadway
Previous contents: Gas.	City and Town: Everett, MA
Diameter:	Fire Dept. Permit #:
Length:	Notes:
Date Received: 6/16/17	
Serial # (if available):	
Tank I.D. # (Form FP-290):	

EACH TANK MUST HAVE A RECEIPT OF DISPOSAL

Owner/Operator to mail revised copy of Notification Form (FP290, or FP290R) to:

Department of Environmental Protection
Bureau of Waste Prevention - UST Program
P.O. Box 120-0165
Boston, MA 02112-0165

This signed receipt of disposal must be returned to the head of the local fire department.

Form FP-291 (Rev 1.1 2015)

Make application to local fire department.
Fire department retains original application and issues duplicate as permit.

The Commonwealth of Massachusetts

Department of Fire Services – Office of the State Fire Marshal

APPLICATION and PERMIT

Fee: $150.00

for steel underground storage tank removal and transportation to approved tank disposal yard in accordance with the provisions of M.G.L. Chapter 148, Section 38A, 527 CMR 1.00 Section 1.12.8.40, application is hereby made by:

Tank Owner

Tank Owner Name (please print) Mobil Mart X ____________ Signature (if applying for permit)

Address 38 Broadway (Street) Everett (City) MA (State) 02149 (Zip)

Removal Contractor

Company Name CYN Environmental (Print)

Address 100 Tosca Drive Stoughton, MA 02072 (Print)

Signature (if applying for permit) ____________

☐ IFCI* Certified Other ________

Contamination Assessment

Co. or Individual ____________ (Print)

Address ____________ (Print)

Signature (If applying for permit) ____________

☐ IFCI* Certified ☐ LSP # ________ Other ________

Tank Information

Tank Location 38 Broadway (Street Address) Everett (City)

Tank Capacity (gallons) 10,000 Gallon UST Substance Last Stored Gas

Tank Dimensions (diameter x length) 96" Dia X 23' Long

Remarks: Excavate, Clean, remove and Dispose of a 10,000 gallon gas UST.

Disposal Information

Firm Transporting Waste Cyn Environmental State Lic. # MA40

Hazardous Waste Manifest# ____________ E.P.A. # MAD082303777

Approved Tank Disposal Yard Allied Recycling Tank Yard # 0015

Type of Inert Gas CO2 Tank Yard Address 1901 Main Street Walpole, MA

Approvals

City or Town Everett FDID# 17093 Permit# ________

Date of Issue 6/15/17 Date of Expiration 7/31/17

Dig Safe approval number: 20172309255 Trenching Permit # EXCAVATION BY JDC DEMO

Dig Safe Toll Free Tel. Number - 800-322-4844

Signature / Title of Officer granting permit ____________

After removal(s) ("consumptive use" fuel oil tanks exempted) send Form FP290 or Form FP-290R signed by the local fire department to MassDEP, Bureau of Waste Prevention UST Program, PO Box 120-0165, Boston, MA 02112-0165.

*International Fire Code Institute

FP-292 (Revised 1.1.2015)

APPENDIX C

LABORATORY ANALYTICAL REPORT

ANALYTICAL REPORT

Lab Number: L1720575

Client: GZA GeoEnvironmental, Inc.
249 Vanderbilt Ave
Norwood, MA 02062

ATTN: Matthew Smith
Phone: (781) 278-5830
Project Name: WYNN EVERETT
Project Number: 171521.52
Report Date: 06/22/17

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1720575
Report Date: 06/22/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1720575-01	TANKS 14&10-NORTH	SOIL	1 HORIZON WAY, EVERETT, MA	06/15/17 14:15	06/19/17
L1720575-02	TANKS 14&10-SOUTH	SOIL	1 HORIZON WAY, EVERETT, MA	06/15/17 15:10	06/19/17
L1720575-03	TANKS 14&10-EAST	SOIL	1 HORIZON WAY, EVERETT, MA	06/15/17 14:30	06/19/17
L1720575-04	TANKS 14&10-WEST	SOIL	1 HORIZON WAY, EVERETT, MA	06/15/17 14:00	06/19/17
L1720575-05	TANKS 14&10-BOTTOM	SOIL	1 HORIZON WAY, EVERETT, MA	06/15/17 13:50	06/19/17
L1720575-06	TANK 6-NORTH	SOIL	1 HORIZON WAY, EVERETT, MA	06/16/17 11:30	06/19/17
L1720575-07	TANK 6-SOUTH	SOIL	1 HORIZON WAY, EVERETT, MA	06/16/17 11:35	06/19/17
L1720575-08	TANK 6-EAST	SOIL	1 HORIZON WAY, EVERETT, MA	06/16/17 11:40	06/19/17
L1720575-09	TANK 6-WEST	SOIL	1 HORIZON WAY, EVERETT, MA	06/16/17 11:45	06/19/17
L1720575-10	TANK 6-BOTTOM	SOIL	1 HORIZON WAY, EVERETT, MA	06/16/17 11:50	06/19/17

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1720575
Report Date: 06/22/17

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	YES
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	YES
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	YES
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	WYNN EVERETT	**Lab Number:**	L1720575
Project Number:	171521.52	**Report Date:**	06/22/17

Case Narrative (continued)

MCP Related Narratives

Report Submission

All MCP required questions were answered with affirmative responses; therefore, there are no relevant protocol-specific QC and/or performance standard non-conformances to report.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom Kelly Stenstrom

Title: Technical Director/Representative

Date: 06/22/17

ORGANICS

PETROLEUM HYDROCARBONS

Project Name:	WYNN EVERETT	**Lab Number:**	L1720575
Project Number:	171521.52	**Report Date:**	06/22/17

SAMPLE RESULTS

Lab ID:	L1720575-01	Date Collected:	06/15/17 14:15
Client ID:	TANKS 14&10-NORTH	Date Received:	06/19/17
Sample Location:	1 HORIZON WAY, EVERETT, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	100,VPH-04-1.1		
Analytical Date:	06/21/17 16:27		
Analyst:	JM		
Percent Solids:	79%		

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Were samples received in methanol?	Covering the Soil
Methanol ratio:	1:1 +/- 25%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		mg/kg	4.01	--	1
C9-C12 Aliphatics	ND		mg/kg	4.01	--	1
C9-C10 Aromatics	ND		mg/kg	4.01	--	1
C5-C8 Aliphatics, Adjusted	ND		mg/kg	4.01	--	1
C9-C12 Aliphatics, Adjusted	ND		mg/kg	4.01	--	1
Benzene	ND		mg/kg	0.160	--	1
Toluene	ND		mg/kg	0.160	--	1
Ethylbenzene	ND		mg/kg	0.160	--	1
p/m-Xylene	ND		mg/kg	0.160	--	1
o-Xylene	ND		mg/kg	0.160	--	1
Methyl tert butyl ether	0.090		mg/kg	0.080	--	1
Naphthalene	ND		mg/kg	0.321	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	108		70-130
2,5-Dibromotoluene-FID	109		70-130

SAMPLE RESULTS

Lab ID:	L1720575-01	Date Collected:	06/15/17 14:15
Client ID:	TANKS 14&10-NORTH	Date Received:	06/19/17
Sample Location:	1 HORIZON WAY, EVERETT, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	98,EPH-04-1.1	Extraction Date:	06/19/17 23:48
Analytical Date:	06/20/17 17:16	Cleanup Method1:	EPH-04-1
Analyst:	SR	Cleanup Date1:	06/20/17
Percent Solids:	79%		

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Extractable Petroleum Hydrocarbons - Westborough Lab						
C9-C18 Aliphatics	ND		mg/kg	8.35	--	1
C19-C36 Aliphatics	18.1		mg/kg	8.35	--	1
C11-C22 Aromatics	15.0		mg/kg	8.35	--	1
C11-C22 Aromatics, Adjusted	15.0		mg/kg	8.35	--	1
Naphthalene	ND		mg/kg	0.418	--	1
2-Methylnaphthalene	ND		mg/kg	0.418	--	1
Acenaphthylene	ND		mg/kg	0.418	--	1
Acenaphthene	ND		mg/kg	0.418	--	1
Fluorene	ND		mg/kg	0.418	--	1
Phenanthrene	ND		mg/kg	0.418	--	1
Anthracene	ND		mg/kg	0.418	--	1
Fluoranthene	ND		mg/kg	0.418	--	1
Pyrene	ND		mg/kg	0.418	--	1
Benzo(a)anthracene	ND		mg/kg	0.418	--	1
Chrysene	ND		mg/kg	0.418	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.418	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.418	--	1
Benzo(a)pyrene	ND		mg/kg	0.418	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.418	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.418	--	1
Benzo(ghi)perylene	ND		mg/kg	0.418	--	1

SAMPLE RESULTS

Lab ID:	L1720575-01	Date Collected:	06/15/17 14:15
Client ID:	TANKS 14&10-NORTH	Date Received:	06/19/17
Sample Location:	1 HORIZON WAY, EVERETT, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Extractable Petroleum Hydrocarbons - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	51		40-140
o-Terphenyl	67		40-140
2-Fluorobiphenyl	86		40-140
2-Bromonaphthalene	86		40-140

SAMPLE RESULTS

Lab ID:	L1720575-02	Date Collected:	06/15/17 15:10
Client ID:	TANKS 14&10-SOUTH	Date Received:	06/19/17
Sample Location:	1 HORIZON WAY, EVERETT, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	100,VPH-04-1.1		
Analytical Date:	06/22/17 10:34		
Analyst:	JM		
Percent Solids:	95%		

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Were samples received in methanol?	Covering the Soil
Methanol ratio:	1:1.8

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		mg/kg	1.73	--	1
C9-C12 Aliphatics	ND		mg/kg	1.73	--	1
C9-C10 Aromatics	ND		mg/kg	1.73	--	1
C5-C8 Aliphatics, Adjusted	ND		mg/kg	1.73	--	1
C9-C12 Aliphatics, Adjusted	ND		mg/kg	1.73	--	1
Benzene	ND		mg/kg	0.069	--	1
Toluene	ND		mg/kg	0.069	--	1
Ethylbenzene	ND		mg/kg	0.069	--	1
p/m-Xylene	ND		mg/kg	0.069	--	1
o-Xylene	ND		mg/kg	0.069	--	1
Methyl tert butyl ether	ND		mg/kg	0.035	--	1
Naphthalene	ND		mg/kg	0.138	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	94		70-130
2,5-Dibromotoluene-FID	95		70-130

Project Name:	WYNN EVERETT	**Lab Number:**	L1720575
Project Number:	171521.52	**Report Date:**	06/22/17

SAMPLE RESULTS

Lab ID:	L1720575-02	Date Collected:	06/15/17 15:10
Client ID:	TANKS 14&10-SOUTH	Date Received:	06/19/17
Sample Location:	1 HORIZON WAY, EVERETT, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	98,EPH-04-1.1	Extraction Date:	06/19/17 23:48
Analytical Date:	06/20/17 17:54	Cleanup Method1:	EPH-04-1
Analyst:	SR	Cleanup Date1:	06/20/17
Percent Solids:	95%		

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Extractable Petroleum Hydrocarbons - Westborough Lab						
C9-C18 Aliphatics	ND		mg/kg	6.84	--	1
C19-C36 Aliphatics	ND		mg/kg	6.84	--	1
C11-C22 Aromatics	ND		mg/kg	6.84	--	1
C11-C22 Aromatics, Adjusted	ND		mg/kg	6.84	--	1
Naphthalene	ND		mg/kg	0.342	--	1
2-Methylnaphthalene	ND		mg/kg	0.342	--	1
Acenaphthylene	ND		mg/kg	0.342	--	1
Acenaphthene	ND		mg/kg	0.342	--	1
Fluorene	ND		mg/kg	0.342	--	1
Phenanthrene	ND		mg/kg	0.342	--	1
Anthracene	ND		mg/kg	0.342	--	1
Fluoranthene	ND		mg/kg	0.342	--	1
Pyrene	ND		mg/kg	0.342	--	1
Benzo(a)anthracene	ND		mg/kg	0.342	--	1
Chrysene	ND		mg/kg	0.342	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.342	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.342	--	1
Benzo(a)pyrene	ND		mg/kg	0.342	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.342	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.342	--	1
Benzo(ghi)perylene	ND		mg/kg	0.342	--	1

Project Name:	WYNN EVERETT	**Lab Number:**	L1720575
Project Number:	171521.52	**Report Date:**	06/22/17

SAMPLE RESULTS

Lab ID:	L1720575-02	Date Collected:	06/15/17 15:10
Client ID:	TANKS 14&10-SOUTH	Date Received:	06/19/17
Sample Location:	1 HORIZON WAY, EVERETT, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Extractable Petroleum Hydrocarbons - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	51		40-140
o-Terphenyl	53		40-140
2-Fluorobiphenyl	65		40-140
2-Bromonaphthalene	65		40-140

SAMPLE RESULTS

Lab ID: L1720575-03
Client ID: TANKS 14&10-EAST
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Analytical Method: 100,VPH-04-1.1
Analytical Date: 06/22/17 11:14
Analyst: JM
Percent Solids: 91%

Date Collected: 06/15/17 14:30
Date Received: 06/19/17
Field Prep: Not Specified

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Were samples received in methanol?	Covering the Soil
Methanol ratio:	1:1.9

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		mg/kg	1.77	--	1
C9-C12 Aliphatics	ND		mg/kg	1.77	--	1
C9-C10 Aromatics	ND		mg/kg	1.77	--	1
C5-C8 Aliphatics, Adjusted	ND		mg/kg	1.77	--	1
C9-C12 Aliphatics, Adjusted	ND		mg/kg	1.77	--	1
Benzene	ND		mg/kg	0.071	--	1
Toluene	ND		mg/kg	0.071	--	1
Ethylbenzene	ND		mg/kg	0.071	--	1
p/m-Xylene	ND		mg/kg	0.071	--	1
o-Xylene	ND		mg/kg	0.071	--	1
Methyl tert butyl ether	ND		mg/kg	0.035	--	1
Naphthalene	ND		mg/kg	0.142	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	101		70-130
2,5-Dibromotoluene-FID	102		70-130

SAMPLE RESULTS

Lab ID:	L1720575-03	Date Collected:	06/15/17 14:30
Client ID:	TANKS 14&10-EAST	Date Received:	06/19/17
Sample Location:	1 HORIZON WAY, EVERETT, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	98,EPH-04-1.1	Extraction Date:	06/19/17 23:48
Analytical Date:	06/20/17 18:32	Cleanup Method1:	EPH-04-1
Analyst:	SR	Cleanup Date1:	06/20/17
Percent Solids:	91%		

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Extractable Petroleum Hydrocarbons - Westborough Lab						
C9-C18 Aliphatics	ND		mg/kg	7.24	--	1
C19-C36 Aliphatics	ND		mg/kg	7.24	--	1
C11-C22 Aromatics	ND		mg/kg	7.24	--	1
C11-C22 Aromatics, Adjusted	ND		mg/kg	7.24	--	1
Naphthalene	ND		mg/kg	0.362	--	1
2-Methylnaphthalene	ND		mg/kg	0.362	--	1
Acenaphthylene	ND		mg/kg	0.362	--	1
Acenaphthene	ND		mg/kg	0.362	--	1
Fluorene	ND		mg/kg	0.362	--	1
Phenanthrene	ND		mg/kg	0.362	--	1
Anthracene	ND		mg/kg	0.362	--	1
Fluoranthene	ND		mg/kg	0.362	--	1
Pyrene	ND		mg/kg	0.362	--	1
Benzo(a)anthracene	ND		mg/kg	0.362	--	1
Chrysene	ND		mg/kg	0.362	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.362	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.362	--	1
Benzo(a)pyrene	ND		mg/kg	0.362	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.362	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.362	--	1
Benzo(ghi)perylene	ND		mg/kg	0.362	--	1

SAMPLE RESULTS

Lab ID:	L1720575-03	Date Collected:	06/15/17 14:30
Client ID:	TANKS 14&10-EAST	Date Received:	06/19/17
Sample Location:	1 HORIZON WAY, EVERETT, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Extractable Petroleum Hydrocarbons - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	60		40-140
o-Terphenyl	88		40-140
2-Fluorobiphenyl	99		40-140
2-Bromonaphthalene	99		40-140

SAMPLE RESULTS

Lab ID:	L1720575-04	Date Collected:	06/15/17 14:00
Client ID:	TANKS 14&10-WEST	Date Received:	06/19/17
Sample Location:	1 HORIZON WAY, EVERETT, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	100,VPH-04-1.1		
Analytical Date:	06/22/17 11:54		
Analyst:	JM		
Percent Solids:	97%		

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Were samples received in methanol?	Covering the Soil
Methanol ratio:	1:1.9

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		mg/kg	1.53	--	1
C9-C12 Aliphatics	ND		mg/kg	1.53	--	1
C9-C10 Aromatics	ND		mg/kg	1.53	--	1
C5-C8 Aliphatics, Adjusted	ND		mg/kg	1.53	--	1
C9-C12 Aliphatics, Adjusted	ND		mg/kg	1.53	--	1
Benzene	ND		mg/kg	0.061	--	1
Toluene	ND		mg/kg	0.061	--	1
Ethylbenzene	ND		mg/kg	0.061	--	1
p/m-Xylene	ND		mg/kg	0.061	--	1
o-Xylene	ND		mg/kg	0.061	--	1
Methyl tert butyl ether	ND		mg/kg	0.031	--	1
Naphthalene	ND		mg/kg	0.123	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	93		70-130
2,5-Dibromotoluene-FID	94		70-130

Project Name:	WYNN EVERETT	**Lab Number:**	L1720575
Project Number:	171521.52	**Report Date:**	06/22/17

SAMPLE RESULTS

Lab ID:	L1720575-04	Date Collected:	06/15/17 14:00
Client ID:	TANKS 14&10-WEST	Date Received:	06/19/17
Sample Location:	1 HORIZON WAY, EVERETT, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	98,EPH-04-1.1	Extraction Date:	06/19/17 23:48
Analytical Date:	06/20/17 19:10	Cleanup Method1:	EPH-04-1
Analyst:	SR	Cleanup Date1:	06/20/17
Percent Solids:	97%		

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Extractable Petroleum Hydrocarbons - Westborough Lab						
C9-C18 Aliphatics	ND		mg/kg	6.71	--	1
C19-C36 Aliphatics	ND		mg/kg	6.71	--	1
C11-C22 Aromatics	ND		mg/kg	6.71	--	1
C11-C22 Aromatics, Adjusted	ND		mg/kg	6.71	--	1
Naphthalene	ND		mg/kg	0.335	--	1
2-Methylnaphthalene	ND		mg/kg	0.335	--	1
Acenaphthylene	ND		mg/kg	0.335	--	1
Acenaphthene	ND		mg/kg	0.335	--	1
Fluorene	ND		mg/kg	0.335	--	1
Phenanthrene	ND		mg/kg	0.335	--	1
Anthracene	ND		mg/kg	0.335	--	1
Fluoranthene	ND		mg/kg	0.335	--	1
Pyrene	ND		mg/kg	0.335	--	1
Benzo(a)anthracene	ND		mg/kg	0.335	--	1
Chrysene	ND		mg/kg	0.335	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.335	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.335	--	1
Benzo(a)pyrene	ND		mg/kg	0.335	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.335	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.335	--	1
Benzo(ghi)perylene	ND		mg/kg	0.335	--	1

SAMPLE RESULTS

Lab ID:	L1720575-04	Date Collected:	06/15/17 14:00
Client ID:	TANKS 14&10-WEST	Date Received:	06/19/17
Sample Location:	1 HORIZON WAY, EVERETT, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Extractable Petroleum Hydrocarbons - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	59		40-140
o-Terphenyl	67		40-140
2-Fluorobiphenyl	76		40-140
2-Bromonaphthalene	75		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1720575
Report Date: 06/22/17

SAMPLE RESULTS

Lab ID: L1720575-05
Client ID: TANKS 14&10-BOTTOM
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Analytical Method: 100,VPH-04-1.1
Analytical Date: 06/22/17 12:34
Analyst: JM
Percent Solids: 97%

Date Collected: 06/15/17 13:50
Date Received: 06/19/17
Field Prep: Not Specified

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Were samples received in methanol?	Covering the Soil
Methanol ratio:	1:2.0

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		mg/kg	1.46	--	1
C9-C12 Aliphatics	ND		mg/kg	1.46	--	1
C9-C10 Aromatics	ND		mg/kg	1.46	--	1
C5-C8 Aliphatics, Adjusted	ND		mg/kg	1.46	--	1
C9-C12 Aliphatics, Adjusted	ND		mg/kg	1.46	--	1
Benzene	ND		mg/kg	0.058	--	1
Toluene	ND		mg/kg	0.058	--	1
Ethylbenzene	ND		mg/kg	0.058	--	1
p/m-Xylene	ND		mg/kg	0.058	--	1
o-Xylene	ND		mg/kg	0.058	--	1
Methyl tert butyl ether	ND		mg/kg	0.029	--	1
Naphthalene	ND		mg/kg	0.117	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	89		70-130
2,5-Dibromotoluene-FID	90		70-130

SAMPLE RESULTS

Lab ID:	L1720575-05	Date Collected:	06/15/17 13:50
Client ID:	TANKS 14&10-BOTTOM	Date Received:	06/19/17
Sample Location:	1 HORIZON WAY, EVERETT, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	98,EPH-04-1.1	Extraction Date:	06/19/17 23:48
Analytical Date:	06/20/17 19:48	Cleanup Method1:	EPH-04-1
Analyst:	SR	Cleanup Date1:	06/20/17
Percent Solids:	97%		

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Extractable Petroleum Hydrocarbons - Westborough Lab						
C9-C18 Aliphatics	ND		mg/kg	6.72	--	1
C19-C36 Aliphatics	ND		mg/kg	6.72	--	1
C11-C22 Aromatics	ND		mg/kg	6.72	--	1
C11-C22 Aromatics, Adjusted	ND		mg/kg	6.72	--	1
Naphthalene	ND		mg/kg	0.336	--	1
2-Methylnaphthalene	ND		mg/kg	0.336	--	1
Acenaphthylene	ND		mg/kg	0.336	--	1
Acenaphthene	ND		mg/kg	0.336	--	1
Fluorene	ND		mg/kg	0.336	--	1
Phenanthrene	ND		mg/kg	0.336	--	1
Anthracene	ND		mg/kg	0.336	--	1
Fluoranthene	ND		mg/kg	0.336	--	1
Pyrene	ND		mg/kg	0.336	--	1
Benzo(a)anthracene	ND		mg/kg	0.336	--	1
Chrysene	ND		mg/kg	0.336	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.336	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.336	--	1
Benzo(a)pyrene	ND		mg/kg	0.336	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.336	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.336	--	1
Benzo(ghi)perylene	ND		mg/kg	0.336	--	1

SAMPLE RESULTS

Lab ID:	L1720575-05	Date Collected:	06/15/17 13:50
Client ID:	TANKS 14&10-BOTTOM	Date Received:	06/19/17
Sample Location:	1 HORIZON WAY, EVERETT, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Extractable Petroleum Hydrocarbons - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	53		40-140
o-Terphenyl	67		40-140
2-Fluorobiphenyl	81		40-140
2-Bromonaphthalene	81		40-140

SAMPLE RESULTS

Lab ID: L1720575-06
Client ID: TANK 6-NORTH
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Analytical Method: 100,VPH-04-1.1
Analytical Date: 06/22/17 10:31
Analyst: JM
Percent Solids: 83%

Date Collected: 06/16/17 11:30
Date Received: 06/19/17
Field Prep: Not Specified

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Were samples received in methanol?	Covering the Soil
Methanol ratio:	1:1 +/- 25%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		mg/kg	3.64	--	1
C9-C12 Aliphatics	ND		mg/kg	3.64	--	1
C9-C10 Aromatics	ND		mg/kg	3.64	--	1
C5-C8 Aliphatics, Adjusted	ND		mg/kg	3.64	--	1
C9-C12 Aliphatics, Adjusted	ND		mg/kg	3.64	--	1
Benzene	ND		mg/kg	0.146	--	1
Toluene	ND		mg/kg	0.146	--	1
Ethylbenzene	ND		mg/kg	0.146	--	1
p/m-Xylene	ND		mg/kg	0.146	--	1
o-Xylene	ND		mg/kg	0.146	--	1
Methyl tert butyl ether	ND		mg/kg	0.073	--	1
Naphthalene	ND		mg/kg	0.291	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	111		70-130
2,5-Dibromotoluene-FID	111		70-130

Project Name:	WYNN EVERETT	**Lab Number:**	L1720575
Project Number:	171521.52	**Report Date:**	06/22/17

SAMPLE RESULTS

Lab ID:	L1720575-06	Date Collected:	06/16/17 11:30
Client ID:	TANK 6-NORTH	Date Received:	06/19/17
Sample Location:	1 HORIZON WAY, EVERETT, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	98,EPH-04-1.1	Extraction Date:	06/19/17 23:48
Analytical Date:	06/20/17 20:27	Cleanup Method1:	EPH-04-1
Analyst:	SR	Cleanup Date1:	06/20/17
Percent Solids:	83%		

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Extractable Petroleum Hydrocarbons - Westborough Lab						
C9-C18 Aliphatics	ND		mg/kg	7.97	--	1
C19-C36 Aliphatics	21.8		mg/kg	7.97	--	1
C11-C22 Aromatics	25.6		mg/kg	7.97	--	1
C11-C22 Aromatics, Adjusted	24.7		mg/kg	7.97	--	1
Naphthalene	ND		mg/kg	0.398	--	1
2-Methylnaphthalene	ND		mg/kg	0.398	--	1
Acenaphthylene	ND		mg/kg	0.398	--	1
Acenaphthene	ND		mg/kg	0.398	--	1
Fluorene	ND		mg/kg	0.398	--	1
Phenanthrene	ND		mg/kg	0.398	--	1
Anthracene	ND		mg/kg	0.398	--	1
Fluoranthene	0.415		mg/kg	0.398	--	1
Pyrene	0.420		mg/kg	0.398	--	1
Benzo(a)anthracene	ND		mg/kg	0.398	--	1
Chrysene	ND		mg/kg	0.398	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.398	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.398	--	1
Benzo(a)pyrene	ND		mg/kg	0.398	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.398	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.398	--	1
Benzo(ghi)perylene	ND		mg/kg	0.398	--	1

SAMPLE RESULTS

Lab ID:	L1720575-06	Date Collected:	06/16/17 11:30
Client ID:	TANK 6-NORTH	Date Received:	06/19/17
Sample Location:	1 HORIZON WAY, EVERETT, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Extractable Petroleum Hydrocarbons - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	55		40-140
o-Terphenyl	71		40-140
2-Fluorobiphenyl	84		40-140
2-Bromonaphthalene	80		40-140

Project Name:	WYNN EVERETT	**Lab Number:**	L1720575
Project Number:	171521.52	**Report Date:**	06/22/17

SAMPLE RESULTS

Lab ID:	L1720575-07	Date Collected:	06/16/17 11:35
Client ID:	TANK 6-SOUTH	Date Received:	06/19/17
Sample Location:	1 HORIZON WAY, EVERETT, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	100,VPH-04-1.1		
Analytical Date:	06/22/17 11:10		
Analyst:	JM		
Percent Solids:	78%		

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Were samples received in methanol?	Covering the Soil
Methanol ratio:	1:1 +/- 25%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		mg/kg	3.55	--	1
C9-C12 Aliphatics	ND		mg/kg	3.55	--	1
C9-C10 Aromatics	ND		mg/kg	3.55	--	1
C5-C8 Aliphatics, Adjusted	ND		mg/kg	3.55	--	1
C9-C12 Aliphatics, Adjusted	ND		mg/kg	3.55	--	1
Benzene	ND		mg/kg	0.142	--	1
Toluene	ND		mg/kg	0.142	--	1
Ethylbenzene	ND		mg/kg	0.142	--	1
p/m-Xylene	ND		mg/kg	0.142	--	1
o-Xylene	ND		mg/kg	0.142	--	1
Methyl tert butyl ether	ND		mg/kg	0.071	--	1
Naphthalene	ND		mg/kg	0.284	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	110		70-130
2,5-Dibromotoluene-FID	109		70-130

SAMPLE RESULTS

Lab ID:	L1720575-07	Date Collected:	06/16/17 11:35
Client ID:	TANK 6-SOUTH	Date Received:	06/19/17
Sample Location:	1 HORIZON WAY, EVERETT, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	98,EPH-04-1.1	Extraction Date:	06/19/17 23:48
Analytical Date:	06/20/17 21:05	Cleanup Method1:	EPH-04-1
Analyst:	SR	Cleanup Date1:	06/20/17
Percent Solids:	78%		

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Extractable Petroleum Hydrocarbons - Westborough Lab						
C9-C18 Aliphatics	ND		mg/kg	8.22	--	1
C19-C36 Aliphatics	33.5		mg/kg	8.22	--	1
C11-C22 Aromatics	43.4		mg/kg	8.22	--	1
C11-C22 Aromatics, Adjusted	36.8		mg/kg	8.22	--	1
Naphthalene	ND		mg/kg	0.411	--	1
2-Methylnaphthalene	ND		mg/kg	0.411	--	1
Acenaphthylene	ND		mg/kg	0.411	--	1
Acenaphthene	ND		mg/kg	0.411	--	1
Fluorene	ND		mg/kg	0.411	--	1
Phenanthrene	0.723		mg/kg	0.411	--	1
Anthracene	ND		mg/kg	0.411	--	1
Fluoranthene	1.50		mg/kg	0.411	--	1
Pyrene	1.26		mg/kg	0.411	--	1
Benzo(a)anthracene	0.666		mg/kg	0.411	--	1
Chrysene	0.720		mg/kg	0.411	--	1
Benzo(b)fluoranthene	0.568		mg/kg	0.411	--	1
Benzo(k)fluoranthene	0.568		mg/kg	0.411	--	1
Benzo(a)pyrene	0.542		mg/kg	0.411	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.411	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.411	--	1
Benzo(ghi)perylene	ND		mg/kg	0.411	--	1

SAMPLE RESULTS

Lab ID:	L1720575-07	Date Collected:	06/16/17 11:35
Client ID:	TANK 6-SOUTH	Date Received:	06/19/17
Sample Location:	1 HORIZON WAY, EVERETT, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Extractable Petroleum Hydrocarbons - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	57		40-140
o-Terphenyl	70		40-140
2-Fluorobiphenyl	79		40-140
2-Bromonaphthalene	78		40-140

SAMPLE RESULTS

Lab ID:	L1720575-08	Date Collected:	06/16/17 11:40
Client ID:	TANK 6-EAST	Date Received:	06/19/17
Sample Location:	1 HORIZON WAY, EVERETT, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	100,VPH-04-1.1		
Analytical Date:	06/22/17 11:50		
Analyst:	JM		
Percent Solids:	80%		

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Were samples received in methanol?	Covering the Soil
Methanol ratio:	1:1 +/- 25%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		mg/kg	3.83	--	1
C9-C12 Aliphatics	ND		mg/kg	3.83	--	1
C9-C10 Aromatics	ND		mg/kg	3.83	--	1
C5-C8 Aliphatics, Adjusted	ND		mg/kg	3.83	--	1
C9-C12 Aliphatics, Adjusted	ND		mg/kg	3.83	--	1
Benzene	ND		mg/kg	0.153	--	1
Toluene	ND		mg/kg	0.153	--	1
Ethylbenzene	ND		mg/kg	0.153	--	1
p/m-Xylene	ND		mg/kg	0.153	--	1
o-Xylene	ND		mg/kg	0.153	--	1
Methyl tert butyl ether	0.318		mg/kg	0.077	--	1
Naphthalene	ND		mg/kg	0.306	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	105		70-130
2,5-Dibromotoluene-FID	106		70-130

SAMPLE RESULTS

Lab ID:	L1720575-08	Date Collected:	06/16/17 11:40
Client ID:	TANK 6-EAST	Date Received:	06/19/17
Sample Location:	1 HORIZON WAY, EVERETT, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	98,EPH-04-1.1	Extraction Date:	06/19/17 23:48
Analytical Date:	06/20/17 21:43	Cleanup Method1:	EPH-04-1
Analyst:	SR	Cleanup Date1:	06/20/17
Percent Solids:	80%		

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Extractable Petroleum Hydrocarbons - Westborough Lab						
C9-C18 Aliphatics	18.8		mg/kg	7.88	--	1
C19-C36 Aliphatics	228		mg/kg	7.88	--	1
C11-C22 Aromatics	135		mg/kg	7.88	--	1
C11-C22 Aromatics, Adjusted	126		mg/kg	7.88	--	1
Naphthalene	ND		mg/kg	0.394	--	1
2-Methylnaphthalene	ND		mg/kg	0.394	--	1
Acenaphthylene	ND		mg/kg	0.394	--	1
Acenaphthene	ND		mg/kg	0.394	--	1
Fluorene	ND		mg/kg	0.394	--	1
Phenanthrene	0.591		mg/kg	0.394	--	1
Anthracene	ND		mg/kg	0.394	--	1
Fluoranthene	1.24		mg/kg	0.394	--	1
Pyrene	1.18		mg/kg	0.394	--	1
Benzo(a)anthracene	0.684		mg/kg	0.394	--	1
Chrysene	1.08		mg/kg	0.394	--	1
Benzo(b)fluoranthene	1.15		mg/kg	0.394	--	1
Benzo(k)fluoranthene	0.865		mg/kg	0.394	--	1
Benzo(a)pyrene	0.701		mg/kg	0.394	--	1
Indeno(1,2,3-cd)Pyrene	0.621		mg/kg	0.394	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.394	--	1
Benzo(ghi)perylene	0.524		mg/kg	0.394	--	1

Project Name:	WYNN EVERETT	**Lab Number:**	L1720575
Project Number:	171521.52	**Report Date:**	06/22/17

SAMPLE RESULTS

Lab ID:	L1720575-08	Date Collected:	06/16/17 11:40
Client ID:	TANK 6-EAST	Date Received:	06/19/17
Sample Location:	1 HORIZON WAY, EVERETT, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Extractable Petroleum Hydrocarbons - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	57		40-140
o-Terphenyl	84		40-140
2-Fluorobiphenyl	97		40-140
2-Bromonaphthalene	96		40-140

SAMPLE RESULTS

Lab ID:	L1720575-09	Date Collected:	06/16/17 11:45
Client ID:	TANK 6-WEST	Date Received:	06/19/17
Sample Location:	1 HORIZON WAY, EVERETT, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	100,VPH-04-1.1		
Analytical Date:	06/22/17 12:29		
Analyst:	JM		
Percent Solids:	82%		

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Were samples received in methanol?	Covering the Soil
Methanol ratio:	1:1 +/- 25%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		mg/kg	3.86	--	1
C9-C12 Aliphatics	ND		mg/kg	3.86	--	1
C9-C10 Aromatics	ND		mg/kg	3.86	--	1
C5-C8 Aliphatics, Adjusted	ND		mg/kg	3.86	--	1
C9-C12 Aliphatics, Adjusted	ND		mg/kg	3.86	--	1
Benzene	ND		mg/kg	0.154	--	1
Toluene	ND		mg/kg	0.154	--	1
Ethylbenzene	ND		mg/kg	0.154	--	1
p/m-Xylene	ND		mg/kg	0.154	--	1
o-Xylene	ND		mg/kg	0.154	--	1
Methyl tert butyl ether	ND		mg/kg	0.077	--	1
Naphthalene	ND		mg/kg	0.309	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	105		70-130
2,5-Dibromotoluene-FID	105		70-130

SAMPLE RESULTS

Lab ID:	L1720575-09	Date Collected:	06/16/17 11:45
Client ID:	TANK 6-WEST	Date Received:	06/19/17
Sample Location:	1 HORIZON WAY, EVERETT, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	98,EPH-04-1.1	Extraction Date:	06/19/17 23:48
Analytical Date:	06/20/17 22:21	Cleanup Method1:	EPH-04-1
Analyst:	SR	Cleanup Date1:	06/20/17
Percent Solids:	82%		

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Extractable Petroleum Hydrocarbons - Westborough Lab						
C9-C18 Aliphatics	ND		mg/kg	8.04	--	1
C19-C36 Aliphatics	8.71		mg/kg	8.04	--	1
C11-C22 Aromatics	33.4		mg/kg	8.04	--	1
C11-C22 Aromatics, Adjusted	32.1		mg/kg	8.04	--	1
Naphthalene	ND		mg/kg	0.402	--	1
2-Methylnaphthalene	ND		mg/kg	0.402	--	1
Acenaphthylene	ND		mg/kg	0.402	--	1
Acenaphthene	ND		mg/kg	0.402	--	1
Fluorene	ND		mg/kg	0.402	--	1
Phenanthrene	ND		mg/kg	0.402	--	1
Anthracene	ND		mg/kg	0.402	--	1
Fluoranthene	0.682		mg/kg	0.402	--	1
Pyrene	0.620		mg/kg	0.402	--	1
Benzo(a)anthracene	ND		mg/kg	0.402	--	1
Chrysene	ND		mg/kg	0.402	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.402	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.402	--	1
Benzo(a)pyrene	ND		mg/kg	0.402	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.402	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.402	--	1
Benzo(ghi)perylene	ND		mg/kg	0.402	--	1

SAMPLE RESULTS

Lab ID:	L1720575-09	Date Collected:	06/16/17 11:45
Client ID:	TANK 6-WEST	Date Received:	06/19/17
Sample Location:	1 HORIZON WAY, EVERETT, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Extractable Petroleum Hydrocarbons - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	58		40-140
o-Terphenyl	91		40-140
2-Fluorobiphenyl	96		40-140
2-Bromonaphthalene	94		40-140

SAMPLE RESULTS

Lab ID: L1720575-10
Client ID: TANK 6-BOTTOM
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Analytical Method: 100,VPH-04-1.1
Analytical Date: 06/22/17 13:08
Analyst: JM
Percent Solids: 86%

Date Collected: 06/16/17 11:50
Date Received: 06/19/17
Field Prep: Not Specified

Quality Control Information

Condition of sample received: Satisfactory
Sample Temperature upon receipt: Received on Ice
Were samples received in methanol? Covering the Soil
Methanol ratio: 1:1 +/- 25%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		mg/kg	2.88	--	1
C9-C12 Aliphatics	ND		mg/kg	2.88	--	1
C9-C10 Aromatics	ND		mg/kg	2.88	--	1
C5-C8 Aliphatics, Adjusted	ND		mg/kg	2.88	--	1
C9-C12 Aliphatics, Adjusted	ND		mg/kg	2.88	--	1
Benzene	ND		mg/kg	0.115	--	1
Toluene	ND		mg/kg	0.115	--	1
Ethylbenzene	ND		mg/kg	0.115	--	1
p/m-Xylene	ND		mg/kg	0.115	--	1
o-Xylene	ND		mg/kg	0.115	--	1
Methyl tert butyl ether	0.068		mg/kg	0.058	--	1
Naphthalene	ND		mg/kg	0.230	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	102		70-130
2,5-Dibromotoluene-FID	102		70-130

SAMPLE RESULTS

Lab ID:	L1720575-10	Date Collected:	06/16/17 11:50
Client ID:	TANK 6-BOTTOM	Date Received:	06/19/17
Sample Location:	1 HORIZON WAY, EVERETT, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	98,EPH-04-1.1	Extraction Date:	06/19/17 23:48
Analytical Date:	06/20/17 23:00	Cleanup Method1:	EPH-04-1
Analyst:	SR	Cleanup Date1:	06/20/17
Percent Solids:	86%		

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Extractable Petroleum Hydrocarbons - Westborough Lab						
C9-C18 Aliphatics	ND		mg/kg	7.63	--	1
C19-C36 Aliphatics	12.7		mg/kg	7.63	--	1
C11-C22 Aromatics	31.6		mg/kg	7.63	--	1
C11-C22 Aromatics, Adjusted	30.8		mg/kg	7.63	--	1
Naphthalene	ND		mg/kg	0.381	--	1
2-Methylnaphthalene	ND		mg/kg	0.381	--	1
Acenaphthylene	ND		mg/kg	0.381	--	1
Acenaphthene	ND		mg/kg	0.381	--	1
Fluorene	ND		mg/kg	0.381	--	1
Phenanthrene	ND		mg/kg	0.381	--	1
Anthracene	ND		mg/kg	0.381	--	1
Fluoranthene	0.439		mg/kg	0.381	--	1
Pyrene	0.407		mg/kg	0.381	--	1
Benzo(a)anthracene	ND		mg/kg	0.381	--	1
Chrysene	ND		mg/kg	0.381	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.381	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.381	--	1
Benzo(a)pyrene	ND		mg/kg	0.381	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.381	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.381	--	1
Benzo(ghi)perylene	ND		mg/kg	0.381	--	1

SAMPLE RESULTS

Lab ID: L1720575-10
Client ID: TANK 6-BOTTOM
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/16/17 11:50
Date Received: 06/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Extractable Petroleum Hydrocarbons - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	53		40-140
o-Terphenyl	88		40-140
2-Fluorobiphenyl	96		40-140
2-Bromonaphthalene	95		40-140

Project Name:	WYNN EVERETT	**Lab Number:**	L1720575
Project Number:	171521.52	**Report Date:**	06/22/17

Method Blank Analysis
Batch Quality Control

Analytical Method:	98,EPH-04-1.1	Extraction Method:	EPA 3546
Analytical Date:	06/20/17 16:38	Extraction Date:	06/19/17 23:48
Analyst:	SR	Cleanup Method:	EPH-04-1
		Cleanup Date:	06/20/17

Parameter	Result	Qualifier	Units	RL	MDL
Extractable Petroleum Hydrocarbons - Westborough Lab for sample(s): 01-10 Batch: WG1014740-1					
C9-C18 Aliphatics	ND		mg/kg	6.54	--
C19-C36 Aliphatics	ND		mg/kg	6.54	--
C11-C22 Aromatics	ND		mg/kg	6.54	--
C11-C22 Aromatics, Adjusted	ND		mg/kg	6.54	--
Naphthalene	ND		mg/kg	0.327	--
2-Methylnaphthalene	ND		mg/kg	0.327	--
Acenaphthylene	ND		mg/kg	0.327	--
Acenaphthene	ND		mg/kg	0.327	--
Fluorene	ND		mg/kg	0.327	--
Phenanthrene	ND		mg/kg	0.327	--
Anthracene	ND		mg/kg	0.327	--
Fluoranthene	ND		mg/kg	0.327	--
Pyrene	ND		mg/kg	0.327	--
Benzo(a)anthracene	ND		mg/kg	0.327	--
Chrysene	ND		mg/kg	0.327	--
Benzo(b)fluoranthene	ND		mg/kg	0.327	--
Benzo(k)fluoranthene	ND		mg/kg	0.327	--
Benzo(a)pyrene	ND		mg/kg	0.327	--
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.327	--
Dibenzo(a,h)anthracene	ND		mg/kg	0.327	--
Benzo(ghi)perylene	ND		mg/kg	0.327	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	52		40-140
o-Terphenyl	50		40-140
2-Fluorobiphenyl	62		40-140
2-Bromonaphthalene	61		40-140

Method Blank Analysis
Batch Quality Control

Analytical Method: 100,VPH-04-1.1
Analytical Date: 06/21/17 10:21
Analyst: JM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Petroleum Hydrocarbons - Westborough Lab for sample(s): 01 Batch: WG1015436-3					
C5-C8 Aliphatics	ND		mg/kg	2.67	--
C9-C12 Aliphatics	ND		mg/kg	2.67	--
C9-C10 Aromatics	ND		mg/kg	2.67	--
C5-C8 Aliphatics, Adjusted	ND		mg/kg	2.67	--
C9-C12 Aliphatics, Adjusted	ND		mg/kg	2.67	--
Benzene	ND		mg/kg	0.107	--
Toluene	ND		mg/kg	0.107	--
Ethylbenzene	ND		mg/kg	0.107	--
p/m-Xylene	ND		mg/kg	0.107	--
o-Xylene	ND		mg/kg	0.107	--
Methyl tert butyl ether	ND		mg/kg	0.053	--
Naphthalene	ND		mg/kg	0.213	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	99		70-130
2,5-Dibromotoluene-FID	100		70-130

Method Blank Analysis
Batch Quality Control

Analytical Method: 100,VPH-04-1.1
Analytical Date: 06/22/17 09:53
Analyst: JM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Petroleum Hydrocarbons - Westborough Lab for sample(s): 02-05 Batch: WG1015911-3					
C5-C8 Aliphatics	ND		mg/kg	2.67	--
C9-C12 Aliphatics	ND		mg/kg	2.67	--
C9-C10 Aromatics	ND		mg/kg	2.67	--
C5-C8 Aliphatics, Adjusted	ND		mg/kg	2.67	--
C9-C12 Aliphatics, Adjusted	ND		mg/kg	2.67	--
Benzene	ND		mg/kg	0.107	--
Toluene	ND		mg/kg	0.107	--
Ethylbenzene	ND		mg/kg	0.107	--
p/m-Xylene	ND		mg/kg	0.107	--
o-Xylene	ND		mg/kg	0.107	--
Methyl tert butyl ether	ND		mg/kg	0.053	--
Naphthalene	ND		mg/kg	0.213	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	98		70-130
2,5-Dibromotoluene-FID	100		70-130

Method Blank Analysis
Batch Quality Control

Analytical Method: 100,VPH-04-1.1
Analytical Date: 06/22/17 09:52
Analyst: JM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Petroleum Hydrocarbons - Westborough Lab for sample(s): 06-10 Batch: WG1015927-3					
C5-C8 Aliphatics	ND		mg/kg	2.67	--
C9-C12 Aliphatics	ND		mg/kg	2.67	--
C9-C10 Aromatics	ND		mg/kg	2.67	--
C5-C8 Aliphatics, Adjusted	ND		mg/kg	2.67	--
C9-C12 Aliphatics, Adjusted	ND		mg/kg	2.67	--
Benzene	ND		mg/kg	0.107	--
Toluene	ND		mg/kg	0.107	--
Ethylbenzene	ND		mg/kg	0.107	--
p/m-Xylene	ND		mg/kg	0.107	--
o-Xylene	ND		mg/kg	0.107	--
Methyl tert butyl ether	ND		mg/kg	0.053	--
Naphthalene	ND		mg/kg	0.213	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	102		70-130
2,5-Dibromotoluene-FID	100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1720575
Report Date: 06/22/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-10 Batch: WG1014740-2 WG1014740-3								
C9-C18 Aliphatics	70		67		40-140	4		25
C19-C36 Aliphatics	71		69		40-140	3		25
C11-C22 Aromatics	67		59		40-140	13		25
Naphthalene	57		56		40-140	2		25
2-Methylnaphthalene	57		56		40-140	2		25
Acenaphthylene	60		57		40-140	5		25
Acenaphthene	61		59		40-140	3		25
Fluorene	60		58		40-140	3		25
Phenanthrene	62		58		40-140	7		25
Anthracene	62		58		40-140	7		25
Fluoranthene	61		57		40-140	7		25
Pyrene	63		59		40-140	7		25
Benzo(a)anthracene	61		57		40-140	7		25
Chrysene	59		55		40-140	7		25
Benzo(b)fluoranthene	62		58		40-140	7		25
Benzo(k)fluoranthene	60		57		40-140	5		25
Benzo(a)pyrene	59		56		40-140	5		25
Indeno(1,2,3-cd)Pyrene	58		54		40-140	7		25
Dibenzo(a,h)anthracene	47		44		40-140	7		25
Benzo(ghi)perylene	56		52		40-140	7		25
Nonane (C9)	56		56		30-140	0		25
Decane (C10)	61		60		40-140	2		25
Dodecane (C12)	63		61		40-140	3		25

Lab Control Sample Analysis

Batch Quality Control

Project Name:	WYNN EVERETT	**Lab Number:**	L1720575
Project Number:	171521.52	**Report Date:**	06/22/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-10 Batch: WG1014740-2 WG1014740-3								
Tetradecane (C14)	65		62		40-140	5		25
Hexadecane (C16)	67		64		40-140	5		25
Octadecane (C18)	68		66		40-140	3		25
Nonadecane (C19)	68		66		40-140	3		25
Eicosane (C20)	68		66		40-140	3		25
Docosane (C22)	68		66		40-140	3		25
Tetracosane (C24)	67		65		40-140	3		25
Hexacosane (C26)	67		65		40-140	3		25
Octacosane (C28)	66		64		40-140	3		25
Triacontane (C30)	65		64		40-140	2		25
Hexatriacontane (C36)	65		63		40-140	3		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	52		51		40-140
o-Terphenyl	62		58		40-140
2-Fluorobiphenyl	74		72		40-140
2-Bromonaphthalene	75		71		40-140
% Naphthalene Breakthrough	0		0		
% 2-Methylnaphthalene Breakthrough	0		0		

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1720575
Report Date: 06/22/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01 Batch: WG1015436-1 WG1015436-2								
C5-C8 Aliphatics	96		99		70-130	3		25
C9-C12 Aliphatics	102		104		70-130	2		25
C9-C10 Aromatics	100		102		70-130	2		25
Benzene	101		104		70-130	3		25
Toluene	102		104		70-130	2		25
Ethylbenzene	103		106		70-130	3		25
p/m-Xylene	101		104		70-130	3		25
o-Xylene	101		104		70-130	3		25
Methyl tert butyl ether	99		102		70-130	3		25
Naphthalene	99		101		70-130	2		25
1,2,4-Trimethylbenzene	100		102		70-130	2		25
Pentane	94		96		70-130	3		25
2-Methylpentane	98		101		70-130	3		25
2,2,4-Trimethylpentane	97		100		70-130	3		25
n-Nonane	101		103		30-130	2		25
n-Decane	103		105		70-130	2		25
n-Butylcyclohexane	102		104		70-130	2		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,5-Dibromotoluene-PID	96		97		70-130
2,5-Dibromotoluene-FID	95		96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1720575
Report Date: 06/22/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 02-05 Batch: WG1015911-1 WG1015911-2								
C5-C8 Aliphatics	99		99		70-130	1		25
C9-C12 Aliphatics	105		104		70-130	1		25
C9-C10 Aromatics	102		100		70-130	2		25
Benzene	103		103		70-130	0		25
Toluene	104		103		70-130	1		25
Ethylbenzene	105		104		70-130	1		25
p/m-Xylene	104		102		70-130	2		25
o-Xylene	103		102		70-130	1		25
Methyl tert butyl ether	99		100		70-130	1		25
Naphthalene	98		98		70-130	1		25
1,2,4-Trimethylbenzene	102		101		70-130	1		25
Pentane	96		95		70-130	1		25
2-Methylpentane	101		101		70-130	0		25
2,2,4-Trimethylpentane	101		100		70-130	1		25
n-Nonane	104		103		30-130	1		25
n-Decane	106		104		70-130	2		25
n-Butylcyclohexane	106		104		70-130	2		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,5-Dibromotoluene-PID	97		95		70-130
2,5-Dibromotoluene-FID	97		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1720575
Report Date: 06/22/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 06-10 Batch: WG1015927-1 WG1015927-2								
C5-C8 Aliphatics	90		93		70-130	3		25
C9-C12 Aliphatics	100		102		70-130	2		25
C9-C10 Aromatics	101		103		70-130	2		25
Benzene	93		96		70-130	3		25
Toluene	94		97		70-130	3		25
Ethylbenzene	97		100		70-130	3		25
p/m-Xylene	98		101		70-130	3		25
o-Xylene	96		99		70-130	3		25
Methyl tert butyl ether	93		96		70-130	3		25
Naphthalene	101		105		70-130	4		25
1,2,4-Trimethylbenzene	101		103		70-130	2		25
Pentane	83		86		70-130	3		25
2-Methylpentane	90		94		70-130	4		25
2,2,4-Trimethylpentane	95		98		70-130	3		25
n-Nonane	100		102		30-130	2		25
n-Decane	101		103		70-130	2		25
n-Butylcyclohexane	101		103		70-130	2		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,5-Dibromotoluene-PID	97		101		70-130
2,5-Dibromotoluene-FID	98		101		70-130

INORGANICS
&
MISCELLANEOUS

Project Name:	WYNN EVERETT	**Lab Number:**	L1720575
Project Number:	171521.52	**Report Date:**	06/22/17

SAMPLE RESULTS

Lab ID:	L1720575-01	Date Collected:	06/15/17 14:15
Client ID:	TANKS 14&10-NORTH	Date Received:	06/19/17
Sample Location:	1 HORIZON WAY, EVERETT, MA	Field Prep:	Not Specified
Matrix:	Soil		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.1		%	0.100	NA	1	-	06/21/17 04:48	121,2540G	DM

Project Name:	WYNN EVERETT	**Lab Number:**	L1720575
Project Number:	171521.52	**Report Date:**	06/22/17

SAMPLE RESULTS

Lab ID:	L1720575-02	Date Collected:	06/15/17 15:10
Client ID:	TANKS 14&10-SOUTH	Date Received:	06/19/17
Sample Location:	1 HORIZON WAY, EVERETT, MA	Field Prep:	Not Specified
Matrix:	Soil		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
eneral Chemistry - Westborough Lab										
olids, Total	95.1		%	0.100	NA	1	-	06/21/17 04:48	121,2540G	DM

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1720575
Report Date: 06/22/17

SAMPLE RESULTS

Lab ID: L1720575-03
Client ID: TANKS 14&10-EAST
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 06/15/17 14:30
Date Received: 06/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.1		%	0.100	NA	1	-	06/21/17 04:48	121,2540G	DM

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1720575
Report Date: 06/22/17

SAMPLE RESULTS

Lab ID: L1720575-04
Client ID: TANKS 14&10-WEST
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 06/15/17 14:00
Date Received: 06/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
eneral Chemistry - Westborough Lab										
lids, Total	96.9		%	0.100	NA	1	-	06/21/17 04:48	121,2540G	DM

Project Name:	WYNN EVERETT	**Lab Number:**	L1720575
Project Number:	171521.52	**Report Date:**	06/22/17

SAMPLE RESULTS

Lab ID:	L1720575-05	Date Collected:	06/15/17 13:50
Client ID:	TANKS 14&10-BOTTOM	Date Received:	06/19/17
Sample Location:	1 HORIZON WAY, EVERETT, MA	Field Prep:	Not Specified
Matrix:	Soil		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.8		%	0.100	NA	1	-	06/21/17 04:48	121,2540G	DM

SAMPLE RESULTS

Lab ID: L1720575-06
Client ID: TANK 6-NORTH
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 06/16/17 11:30
Date Received: 06/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
eneral Chemistry - Westborough Lab										
lids, Total	82.5		%	0.100	NA	1	-	06/21/17 04:48	121,2540G	DM

SAMPLE RESULTS

Lab ID: L1720575-07
Client ID: TANK 6-SOUTH
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 06/16/17 11:35
Date Received: 06/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analys
General Chemistry - Westborough Lab										
Solids, Total	78.0		%	0.100	NA	1	-	06/21/17 04:48	121,2540G	DM

Project Name:	WYNN EVERETT	**Lab Number:**	L1720575
Project Number:	171521.52	**Report Date:**	06/22/17

SAMPLE RESULTS

Lab ID:	L1720575-08	Date Collected:	06/16/17 11:40
Client ID:	TANK 6-EAST	Date Received:	06/19/17
Sample Location:	1 HORIZON WAY, EVERETT, MA	Field Prep:	Not Specified
Matrix:	Soil		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.3		%	0.100	NA	1	-	06/21/17 04:48	121,2540G	DM

SAMPLE RESULTS

Lab ID:	L1720575-09	Date Collected:	06/16/17 11:45
Client ID:	TANK 6-WEST	Date Received:	06/19/17
Sample Location:	1 HORIZON WAY, EVERETT, MA	Field Prep:	Not Specified
Matrix:	Soil		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.8		%	0.100	NA	1	-	06/21/17 04:48	121,2540G	DM

Project Name:	WYNN EVERETT	**Lab Number:**	L1720575
Project Number:	171521.52	**Report Date:**	06/22/17

SAMPLE RESULTS

Lab ID:	L1720575-10	Date Collected:	06/16/17 11:50
Client ID:	TANK 6-BOTTOM	Date Received:	06/19/17
Sample Location:	1 HORIZON WAY, EVERETT, MA	Field Prep:	Not Specified
Matrix:	Soil		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
eneral Chemistry - Westborough Lab										
Solids, Total	86.3		%	0.100	NA	1	-	06/21/17 04:48	121,2540G	DM

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1720575
Report Date: 06/22/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1015211-1 QC Sample: L1720575-01 Client ID: TANKS 14&10-NORTH						
Solids, Total	79.1	79.2	%	0		20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	**Custody Seal**
A	Absent

Container Information

Container ID	**Container Type**	**Cooler**	**Initial pH**	**Final pH**	**Temp deg C**	**Pres**	**Seal**	**Frozen Date/Time**	**Analysis(*)**
L1720575-01A	Vial MeOH preserved	A	NA		5.8	Y	Absent		VPH-DELUX-10(28)
L1720575-01B	Glass 250ml/8oz unpreserved	A	NA		5.8	Y	Absent		TS(7),EPH-DELUX-10(14)
L1720575-02A	Vial MeOH preserved	A	NA		5.8	Y	Absent		VPH-DELUX-10(28)
L1720575-02B	Glass 250ml/8oz unpreserved	A	NA		5.8	Y	Absent		TS(7),EPH-DELUX-10(14)
L1720575-03A	Vial MeOH preserved	A	NA		5.8	Y	Absent		VPH-DELUX-10(28)
L1720575-03B	Glass 250ml/8oz unpreserved	A	NA		5.8	Y	Absent		TS(7),EPH-DELUX-10(14)
L1720575-04A	Vial MeOH preserved	A	NA		5.8	Y	Absent		VPH-DELUX-10(28)
L1720575-04B	Glass 500ml/16oz unpreserved	A	NA		5.8	Y	Absent		TS(7),EPH-DELUX-10(14)
L1720575-05A	Vial MeOH preserved	A	NA		5.8	Y	Absent		VPH-DELUX-10(28)
L1720575-05B	Glass 500ml/16oz unpreserved	A	NA		5.8	Y	Absent		TS(7),EPH-DELUX-10(14)
L1720575-06A	Vial MeOH preserved	A	NA		5.8	Y	Absent		VPH-DELUX-10(28)
L1720575-06B	Glass 250ml/8oz unpreserved	A	NA		5.8	Y	Absent		TS(7),EPH-DELUX-10(14)
L1720575-07A	Vial MeOH preserved	A	NA		5.8	Y	Absent		VPH-DELUX-10(28)
L1720575-07B	Glass 250ml/8oz unpreserved	A	NA		5.8	Y	Absent		TS(7),EPH-DELUX-10(14)
L1720575-08A	Vial MeOH preserved	A	NA		5.8	Y	Absent		VPH-DELUX-10(28)
L1720575-08B	Glass 250ml/8oz unpreserved	A	NA		5.8	Y	Absent		TS(7),EPH-DELUX-10(14)
L1720575-09A	Vial MeOH preserved	A	NA		5.8	Y	Absent		VPH-DELUX-10(28)
L1720575-09B	Glass 250ml/8oz unpreserved	A	NA		5.8	Y	Absent		TS(7),EPH-DELUX-10(14)
L1720575-10A	Vial MeOH preserved	A	NA		5.8	Y	Absent		VPH-DELUX-10(28)
L1720575-10B	Glass 250ml/8oz unpreserved	A	NA		5.8	Y	Absent		TS(7),EPH-DELUX-10(14)

*Values in parentheses indicate holding time in days

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Data Qualifiers

	projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.
M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
Q	- The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.
S	- Analytical results are from modified screening analysis.
J	- Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
ND	- Not detected at the reporting limit (RL) for the sample.

REFERENCES

98 Method for the Determination of Extractable Petroleum Hydrocarbons (EPH), MassDEP, May 2004, Revision 1.1 with QC Requirements & Performance Standards for the Analysis of EPH under the Massachusetts Contingency Plan, WSC-CAM-IVB, July 2010.

100 Method for the Determination of Volatile Petroleum Hydrocarbons (VPH), MassDEP, May 2004, Revision 1.1 with QC Requirements & Performance Standards for the Analysis of VPH under the Massachusetts Contingency Plan, WSC-CAM-IVA, July 2010.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Alpha Analytical, Inc. ID No.:**17873**
Facility: **Company-wide** Revision 10
Department: **Quality Assurance** Published Date: 1/16/2017 11:00:05 AM
Title: **Certificate/Approval Program Summary** Page 1 of 1

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D.**

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N, **EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NH 6/20/17

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

Project Information

Project Name: ~~Wynn Boston Harbor~~ WYNN EVERETT

Project Location: 1 Horizon Way, Everett MA

Project #: ~~01.~~0171521.52

Project Manager: Neal Carey

ALPHA Quote #:

Client Information

Client: GZA

Address: 249 Vanderbilt Ave

Norwood, MA

Phone: (781) 278-3700

Fax: (781) 278-5752

Email: ~~Neal.Carey@gza.com~~ Davide.leone@gza.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: ~~ASAP~~ 3-Day Rush Time:

Other Project Specific Requirements/Comments/Detection Limits:

Date Rec'd in Lab:

ALPHA Job #: 1720575

Report Information Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program

Criteria

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

ANALYSIS

SAMPLE HANDLING

Filtration
- ☐ Done
- ☐ Not Needed
- ☐ Lab to do

Preservation
- ☐ Lab to do

(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	EPH	VPH w/ targets											Sample Specific Comments	TOTAL # BOTTLES
575 -01	Tanks 14 310 - North	6/15/17	1415	Soil	DRS	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-02	Tanks 14 310 - South		1510			☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-03	Tanks 14 310 - East		1430			☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-04	Tanks 14 310 - West		1400			☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-05	Tanks 14 310 - Bottom	↓	1350	↓		☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-06	Tank 6 - North	6/16/17	1130			☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-07	Tank 6 - South		1135			☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-08	Tank 6 - East		1140			☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-09	Tank 6 - West		1145			☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-10	Tank 6 - Bottom	↓	1150	↓	↓	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		

PLEASE ANSWER QUESTIONS ABOVE!

	EPH	VPH										
Container Type	8oz AG	VOA	-	-	-	-	-	-	-	-	-	-
Preservative	NP	MeOH	-	-	-	-	-	-	-	-	-	-

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01(I) (rev 5-JAN-12)

Relinquished By:	Date/Time	Received By:	Date/Time
	6/16/17 @ 14:00	AAL	6/19/17 1135
	6/19/17 1545		6/19/17 1545

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

ALPHA ANALYTICAL

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab:

ALPHA Job #: L1720575

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: ~~Neal.Carey@gza.com~~ Davide.leone@gza.com

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Wynn Boston Harbor
Project Location: 1 Horizon Way, Everett MA
Project #: 01.0171521.52
Project Manager: Neal Carey
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: ~~ASAP~~ 3-Day Rush Time:

Other Project Specific Requirements/Comments/Detection Limits:

Report Information Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client Info PO #:

Regulatory Requirements/Report Limits

State/Fed Program
Criteria

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	EPH	VPH w/ targets											Sample Specific Comments	TOTAL # BOTTLES
575 -01	Tanks 14&10 - North	6/15/17	1415	Soil	DRS	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-02	Tanks 14&10 - South		1510			☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-03	Tanks 14&10 - East		1430			☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-04	Tanks 14&10 - West		1400			☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-05	Tanks 14&10 - Bottom	↓	1350	↓		☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-06	Tank 6 - North	6/16/17	1130			☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-07	Tank 6 - South		1135			☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-08	Tank 6 - East		1140			☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-09	Tank 6 - West		1145			☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
-10	Tank 6 - Bottom	↓	1150	↓	↓	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		

PLEASE ANSWER QUESTIONS ABOVE!

Container Type	8oz AG	VOA	-	-	-	-	-	-	-	-	-	-
Preservative	NP	MeOH	-	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
	6/16/17@14:00	AAL	6/19/17 1135
	6/19/17 1545		6/19/17 154

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01(I)
(rev 5-JAN-12)

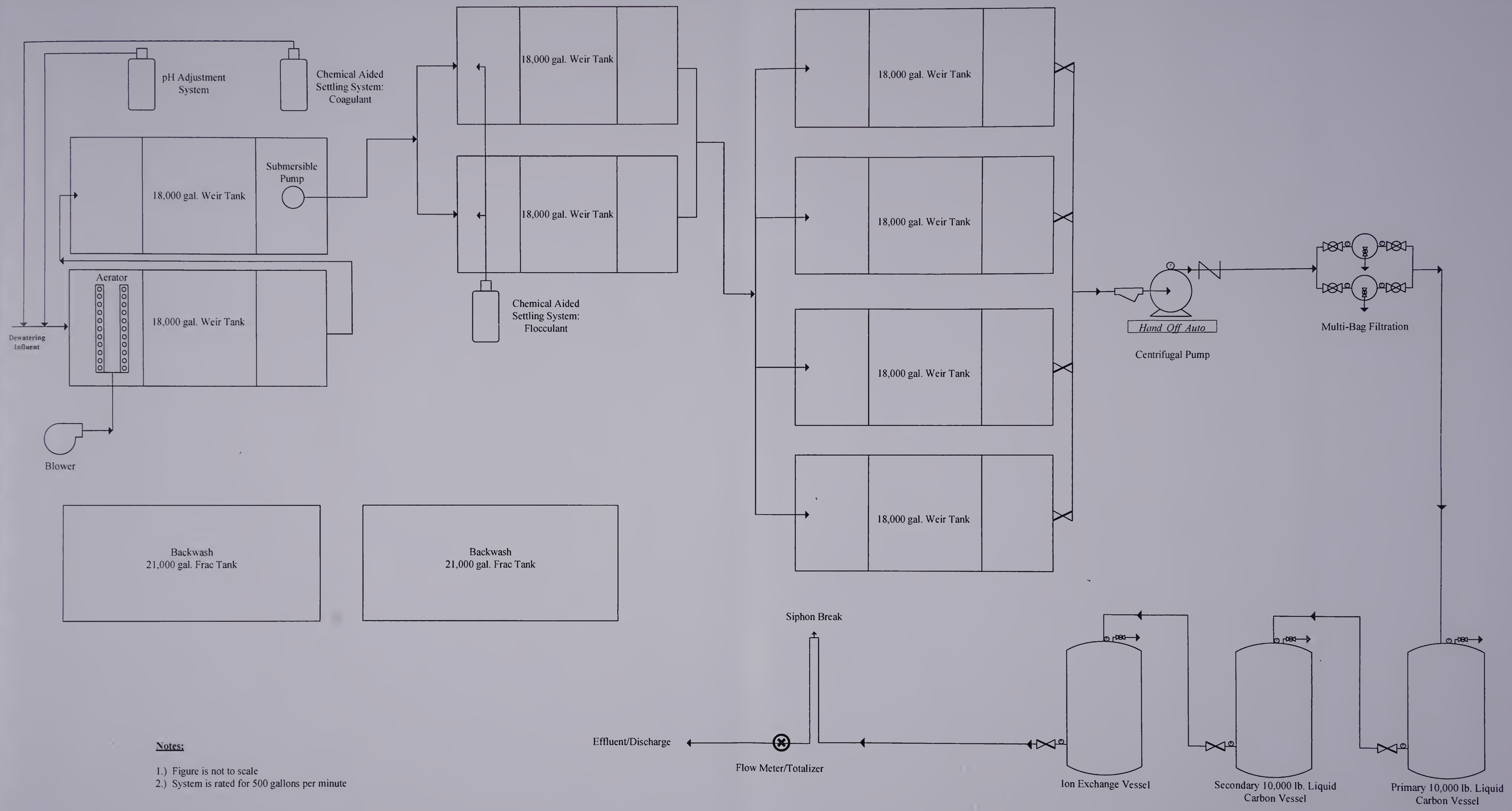
Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Appendix D - Dewatering Documentation

TREATMENT SYSTEM
Wynn Everett
One Horizon Way
Everett, Massachusetts

Sample ID Date Laboratory Work Order Day		Influent 5/2/2017 1703039 262	Effluent 5/2/2017 1705039 262	Influent 5/8/2017 1703178 268	Effluent 5/8/2017 1703178 288	Influent 5/28/2017 1705683 268	Effluent 5/28/2017 1705683 288	Influent 4/12/2017 1704505 505	Effluent 4/12/2017 1704305 303	Influent 4/28/2017 1704793 519	Effluent 4/28/2017 1704795 519	Effluent 5/18/2017 L1718290 559	INFLUENT_(8.2.17) 6/2/2017 L1718228 554	EFFLUENT_(6.2.2017) 6/2/2017 L1718228 554	INFLUENT_(8.2.17) 8/2/2017 L1718229 554	EFFLUENT_(8.2.2017) 6/2/2017 L1718229 554	INFLUENT_6.29.17 8/29/2017 L1722393 581	EFFLUENT_6.29.17 8/29/2017 L1722225 381	MA - Saltwater 2010 RGP EFF Limits	Test Method and Minimum Level
Parameter	**units**																			
Total Suspended Solids (TSS)	mg/L	15	5	--		22	11	--	--	**51**	**16**	N/A	BDL (5.0)	BDL (5.0)		--	43	BDL (5.0)	30 mg/L	SM 2540D (5 mg/L)
Cyanide (CN)	ug/L	**50**	BDL (5.0)	--	--	**115**	**14.8**	BDL (5.0)	BDL (5.0)	**28.4**	**BDL (5.0)**	N/A	21	**7**	--	--	15	**8**	1.0 ug/l	Method 335.4 (5 ug/L)
1,2 Dichloroethane (DCA)	ug/L	BDL (1.0)	**9**	BDL (1.0)	BDL (1.0)	BDL (1.0)	BDL (1.0)	--	--	BDL (1.0)	BDL (1.0)	N/A	BDL (0.50)	BDL (0.50)	--	--	BDL (0.50)	BDL (0.50)	5.0 ug/l	Method 624 (5 ug/L); Method 8260C (5 ug/L)
Trichloroethene (TCE)	ug/L	BDL (1.0)	BDL (1.0)	--		BDL (1.0)	BDL (1.0)	--	--	BDL (1.0)	BDL (1.0)	N/A	BDL (0.50)	BDL (0.50)	--	--	BDL (0.50)	BDL (0.50)	5.0 ug/l	Method 624 (5 ug/L); Method 8260C (5 ug/L)
1,4-Dioxane	ug/L	0.677	0.523	--		BDL (0.250)	0.361	--	--	0.828	0.582	N/A	BDL (3.0)	BDL (3.0)	--	--	BDL (3.0)	BDL (3.0)	Monitor Only	Method 522 (0.1 ug/L), Method 8260C (50 ug/L)
Fluorene	ug/L	0.26	BDL (0.19)	--	--	BDL (0.21)	BDL (0.19)	--	--	BDL (0.2)	BDL (0.19)	N/A	BDL (0.10)	BDL (0.10)	--	--	BDL (0.10)	BDL (0.10)	Total PAH = 100 ug/l	Method 625 (5 ug/L); 8270D (5 ug/L)
Chloride	mg/L	4650	5850	--		1600	4460	--	--	5000	4940	N/A	3400	4800	--	--	4900	4640	Monitor Only	Method 300.0 (0.1 mg/L)
Arsenic	ug/L	**252**	BDL (50)	--	--	**323**	BDL (4.0)	--	--	**78.2**	**14.4**	N/A	BDL (1.0)	BDL (1.0)	--	--	63.5	BDL (1.0)	36 ug/l	Method 6010C (20 ug/L); 7010 (3 ug/L); 6020A (1.0 ug/L)
Cadmium	ug/L	BDL (5.0)	BDL (5.0)	--		1.8	0.6	--	--	BDL (0.5)	BDL (0.5)	N/A	2.05	BDL (0.2)	--	--	0.73	BDL (0.20)	8.9 ug/l	Method 7010 (0.5 ug/L); 6020A (0.2 ug/L)
Chromium III	ug/L	BDL (20)	BDL (20)	--	--	BDL (10)	BDL (10)	--	--	BDL (10)	BDL (10)	N/A	BDL (10)	BDL (10)	--	--	BDL (10)	BDL (10)	100 ug/l	Method 6010C (15 ug/L)
Copper	ug/L	BDL (20)	BDL (20)	--	--	BDL (8.0)	**11.8**	BDL (20.0)	**55.1**	BDL (4.0)	24.8	20.4	7.21	**18.55**	--	--	38.1	**19.8**	3.7 ug/l	Method 6010C (15 ug/L); 6020A (0.5 ug/L)
Iron	ug/L	**555000**	240	--	--	**180,000**	116	--	--	**66700**	**292**	N/A	378	57	--	--	74400	BDL (50)	1,000 ug/l	Method 6010C (20 ug/L)
Lead	ug/L	**22.3**	BDL (20)	--		BDL (2.0)	BDL (2.0)	--	--	BDL (4.0)	9.7	**1.3**	BDL (1.0)	1.21	--	--	1.76	**8.6**	8.5 ug/l	Method 6010C (20 ug/L); 7010 (3 ug/L); 6020A (0.2 ug/L)
Nickel	ug/L	**58.1**	BDL (20)	--		BDL (8.0)	BDL (8.0)	--	--	BDL (4.0)	BDL (4.0)	N/A	6.34	6.62	--	--	8.8	3.56	8.2 ug/l	Method 6010C (20 ug/L); 6020A (0.2 ug/L)
Zinc	ug/L	**694**	BDL (50)	--	--	**258**	BDL (20.0)	--	--	32.8	BDL (10)	N/A	96.3	**132.9**	--	--	261	**401**	85.6 ug/l	Method 6010C (15 ug/L); 6020A (5 ug/L)
Hardness	mg/L	2.99	1.74	--	--	1.15	1.74	--	--	2.89	2.61	N/A	1770	1980	--	--	2150	1670	N/A	N/A

Notes:
1. BDL = below detection limit noted in parantheses
BOLD = exceeds RGP effluent limits
N/A = not applicable; SM = standard method
2. Hardness is not a paramater that requires sampling


pH Adjustment System
Chemical Aided Settling System: Coagulant
18,000 gal. Weir Tank
Submersible Pump
Aerator
Dewatering Influent
Blower
Chemical Aided Settling System: Flocculant
Hand Off Auto
Centrifugal Pump
Multi-Bag Filtration
Backwash 21,000 gal. Frac Tank
Backwash 21,000 gal. Frac Tank
Siphon Break
Effluent/Discharge
Flow Meter/Totalizer
Ion Exchange Vessel
Secondary 10,000 lb. Liquid Carbon Vessel
Primary 10,000 lb. Liquid Carbon Vessel

Notes:

1.) Figure is not to scale
2.) System is rated for 500 gallons per minute

Lockwood Remediation Technologies, LLC
89 Crawford Street
Leominster, MA 01453
Office: 774-450-7177

DESIGNED BY: LRT
DRAWN BY: B.W.
CHECKED BY:
DATE: 12-7-16

Water Treatment System #2 Schematic

Wynn Casino
One Horizon Way
Everett, Massachusetts

J. Derenzo Company
338 Howard Street
Brockton, Massachusetts 02302

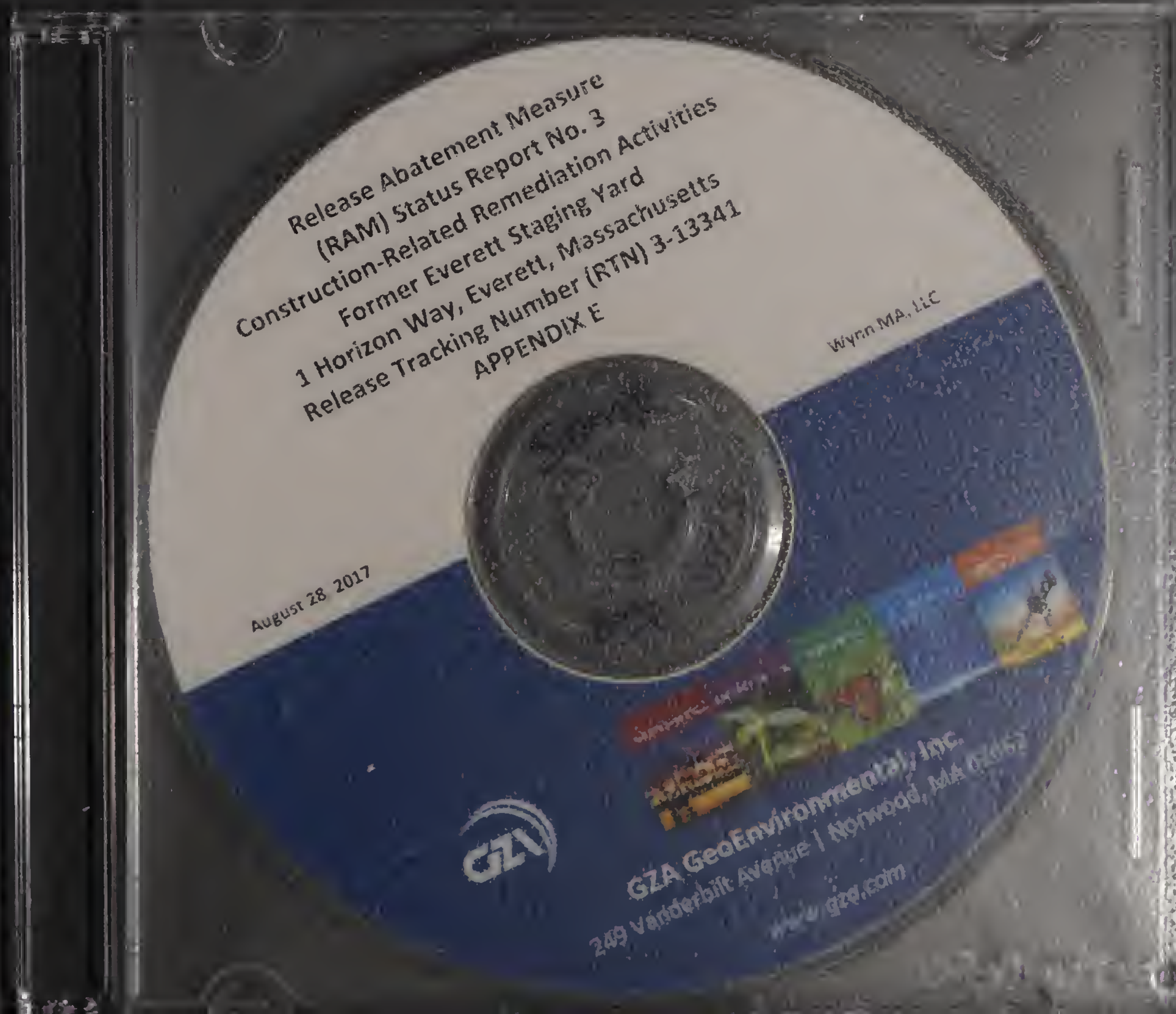
PROJECT No. 2-1387

FIGURE No.

GZA

Appendix E - Laboratory Reports

(Submitted Separately using BWSC126 Transaction #951010)



Release Abatement Measure
(RAM) Status Report No. 3
Construction-Related Remediation Activities
Former Everett Staging Yard
1 Horizon Way, Everett, Massachusetts
Release Tracking Number (RTN) 3-13341
APPENDIX E

Wynn MA, LLC

August 28 2017

GZA GeoEnvironmental, Inc.
249 Vanderbilt Avenue | Norwood, MA 02062
www.gza.com

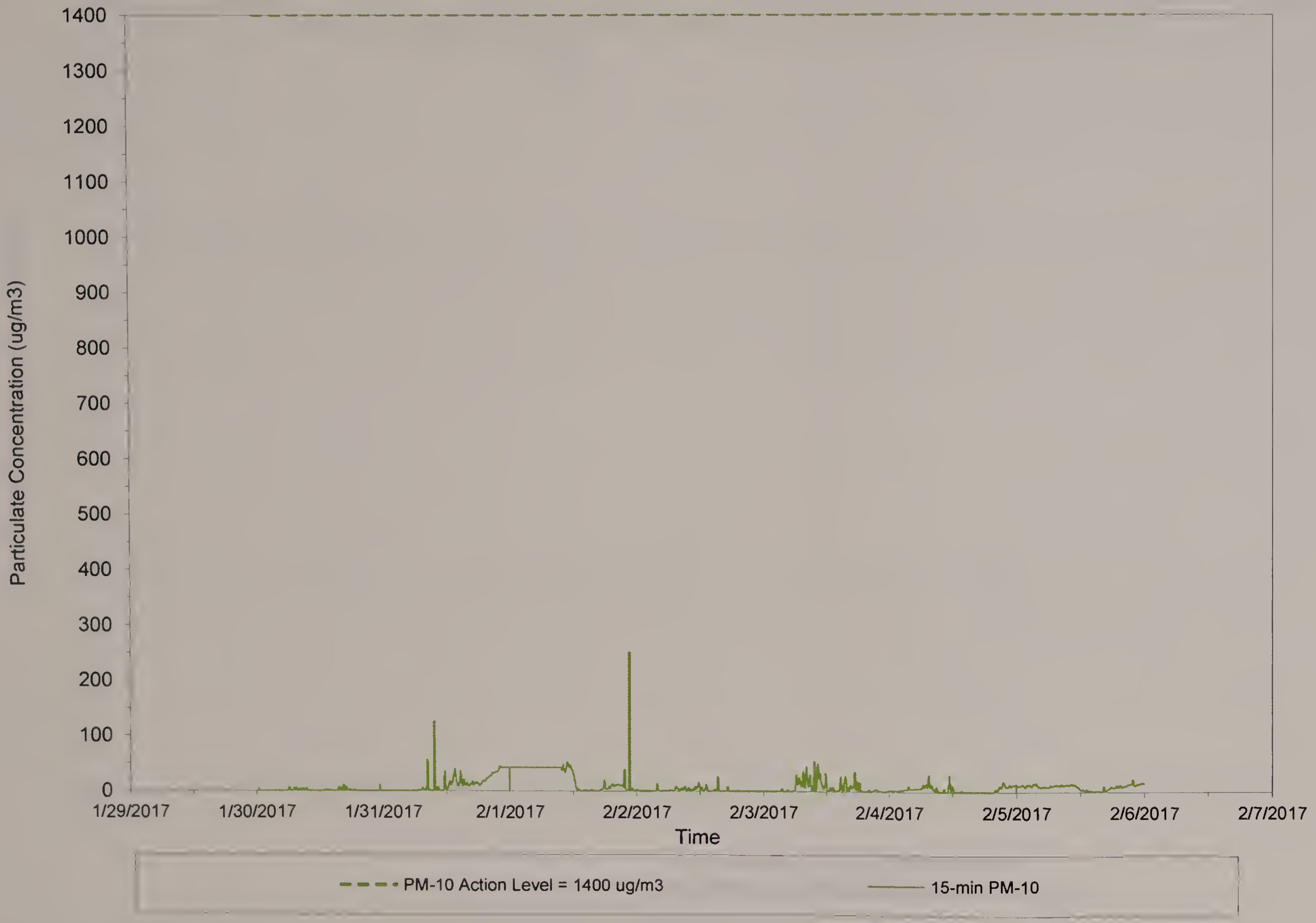
GZA

Appendix F - AirLogics Weekly Reports

Feb06,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg =	9.30

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/30/2017	10.84
1/31/2017	125.93
2/1/2017	250.25
2/2/2017	25.39
2/3/2017	54.03
2/4/2017	30.41
2/5/2017	22.71

Wind Summary Statistics	
CALM	47%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	22%
DW/CW	7%
CW/UW	25%
TOTAL	100%

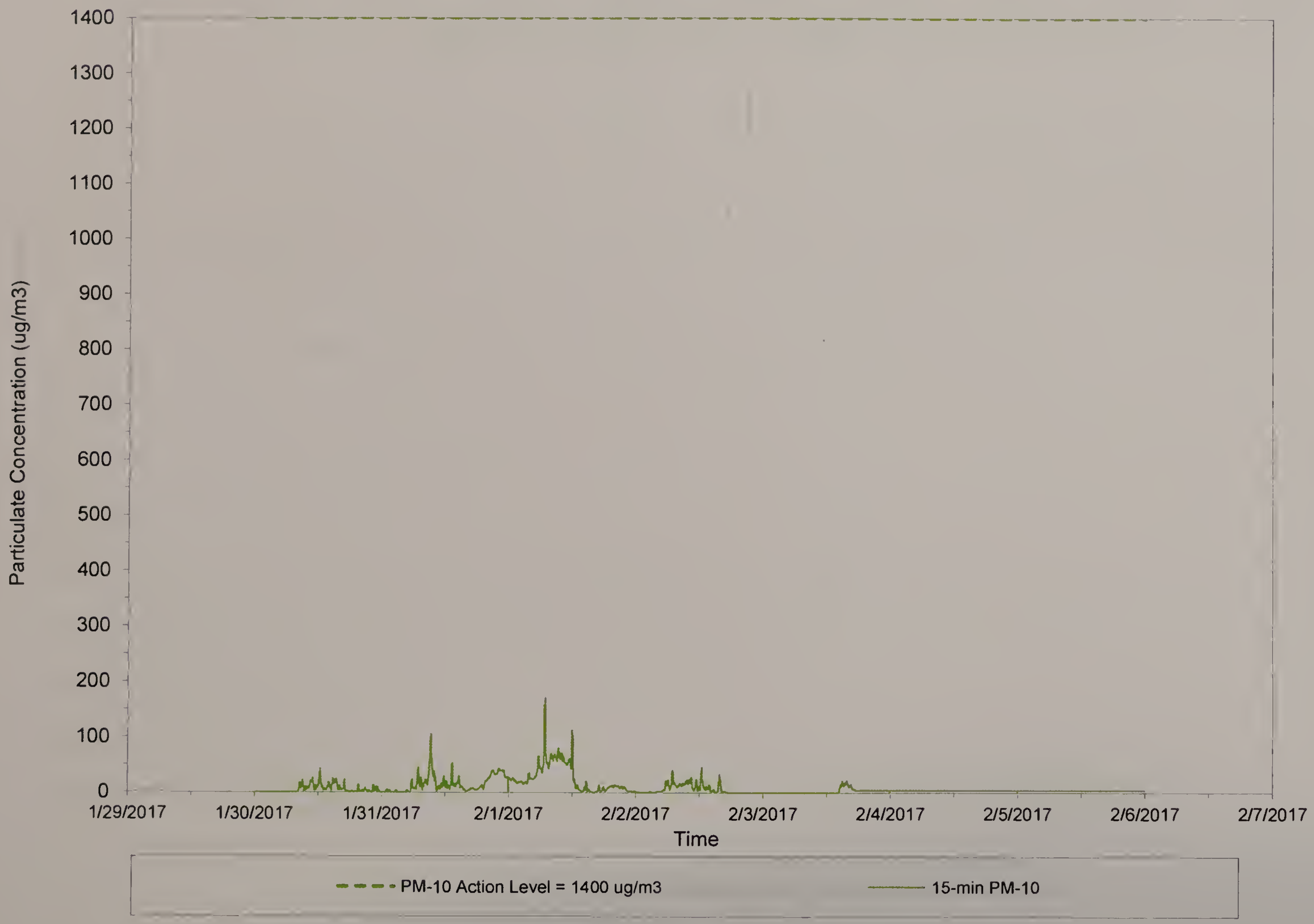
Filename: C:\Users\matthew.dion\Documents\Everett 2016\Air Logics\Reports\STA1_WEEKLYFeb17.xls

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Feb06,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 9.20

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/30/2017	42.61
1/31/2017	104.79
2/1/2017	170.19
2/2/2017	45.28
2/3/2017	21.59
2/4/2017	4.33
2/5/2017	4.33

Wind Summary Statistics	
CALM	47%
UW	3%
UW/CW	2%
CW	14%
CW/DW	6%
DW	29%
DW/CW	0%
CW/UW	0%
TOTAL	100%

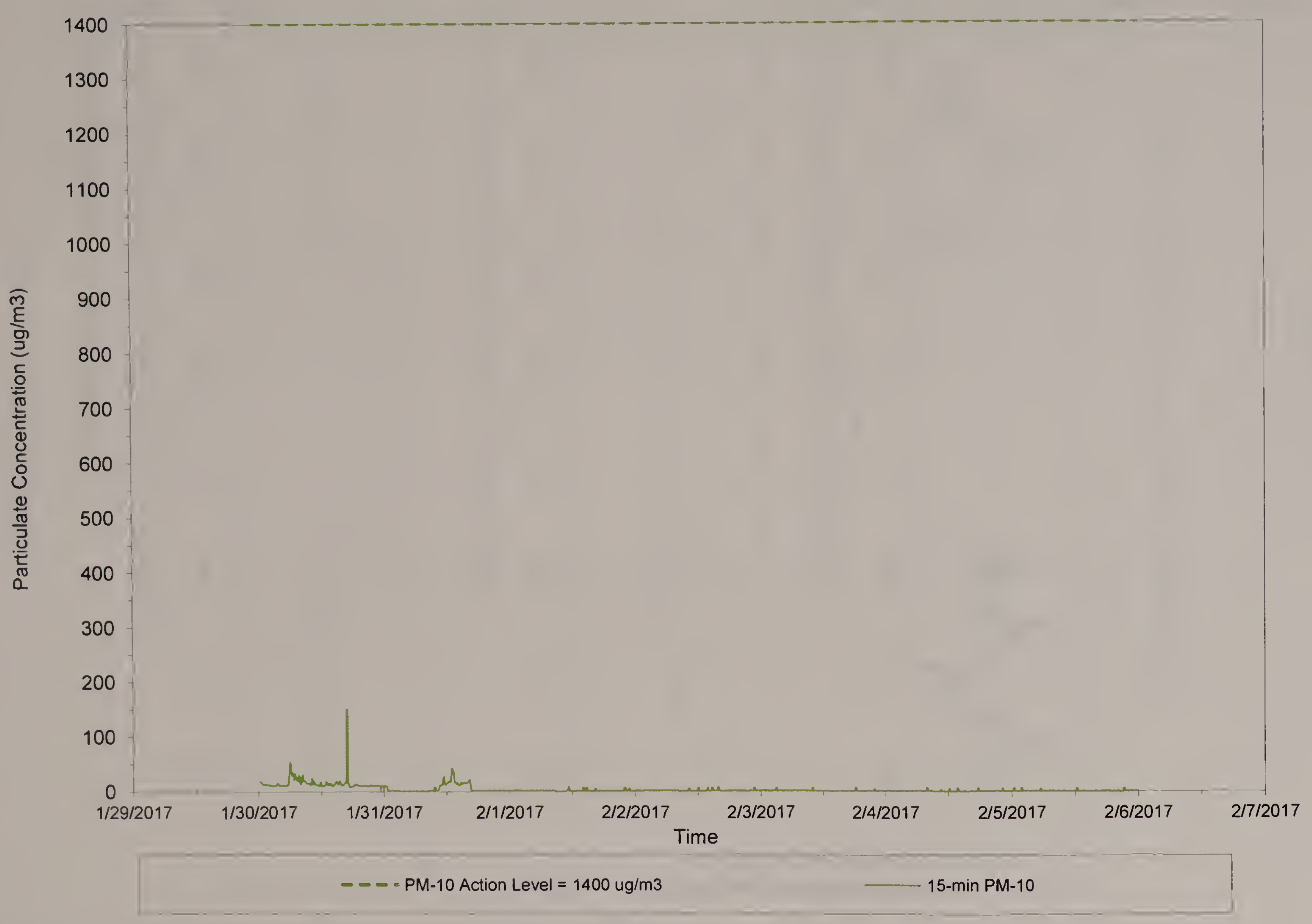
Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_02052017\STA2_WEEKLYFeb17.xls

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Feb06,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 4.14

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/30/2017	150.72
1/31/2017	42.29
2/1/2017	8.62
2/2/2017	7.84
2/3/2017	7.23
2/4/2017	7.01
2/5/2017	6.68

Wind Summary Statistics	
CALM	47%
UW	38%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	15%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_02052017\STA3_WEEKLYFeb17.xls

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
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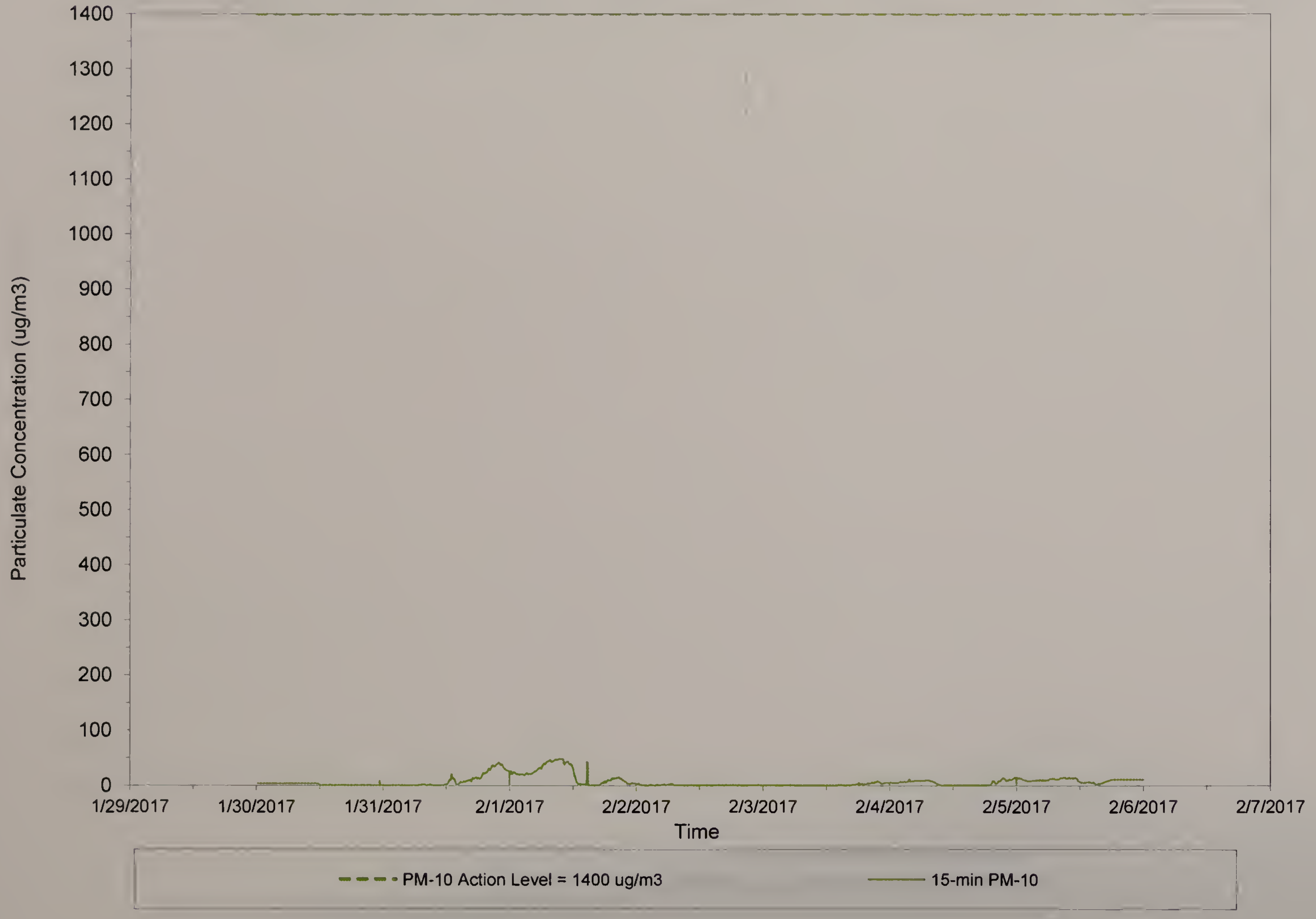
Feb06,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 6.59

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/30/2017	7.39
1/31/2017	41.11
2/1/2017	48.37
2/2/2017	3.33
2/3/2017	7.68
2/4/2017	14.47
2/5/2017	14.78

Wind Summary Statistics	
CALM	47%
UW	0%
UW/CW	0%
CW	24%
CW/DW	0%
DW	1%
DW/CW	0%
CW/UW	29%
TOTAL	100%

AirLogics, LLC
Perimeter Air Monitoring Systems
Proactive by Design

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_02052017\STA4_WEEKLYFeb17.xls

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

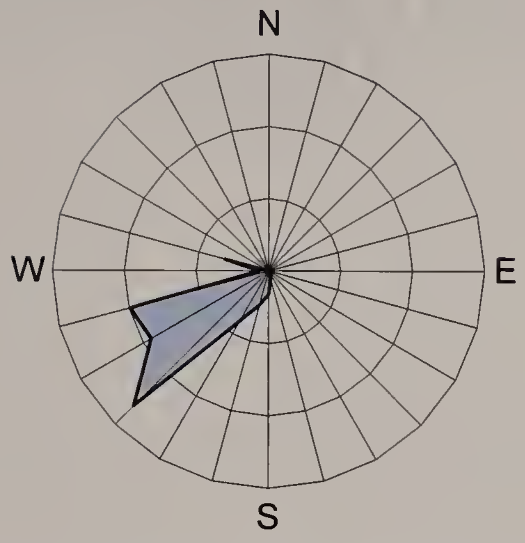


Figure 1. Wind rose for the period 1/30/2017 through 2/5/2017

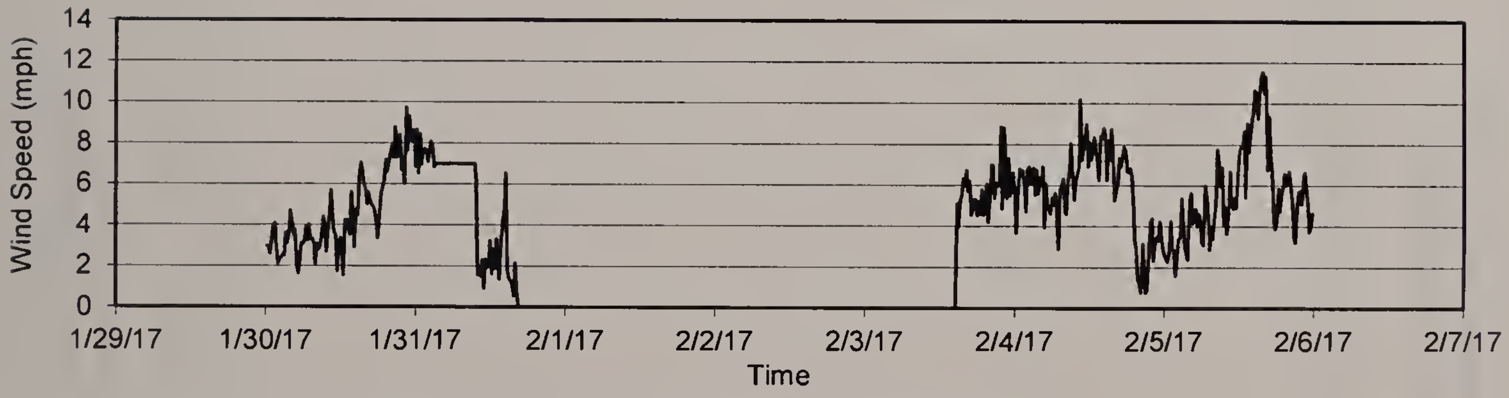


Figure 2. Wind speed for the period 1/30/2017 through 2/5/2017

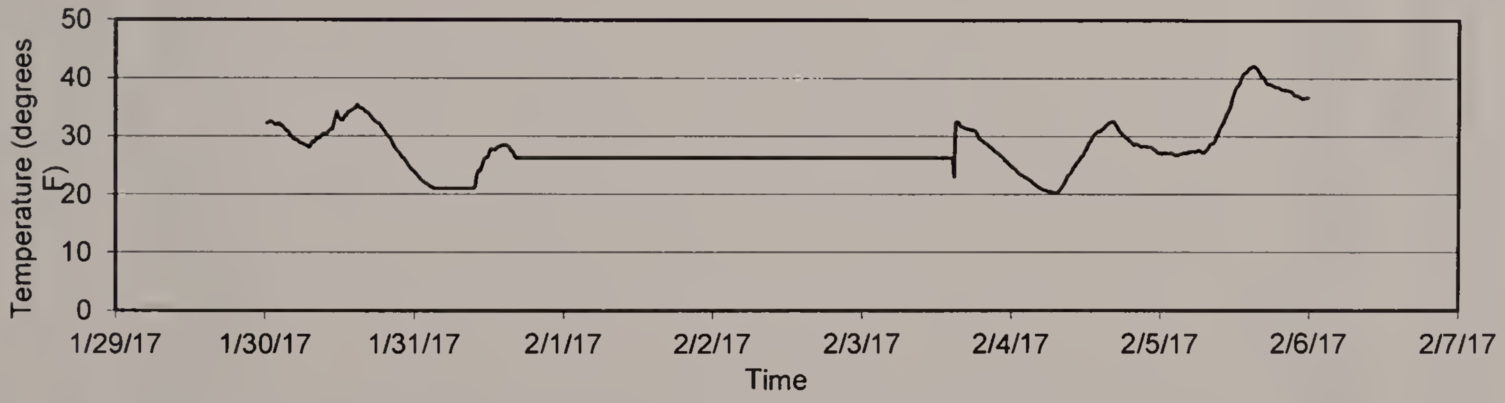


Figure 3. Temperature for the period 1/30/2017 through 2/5/2017

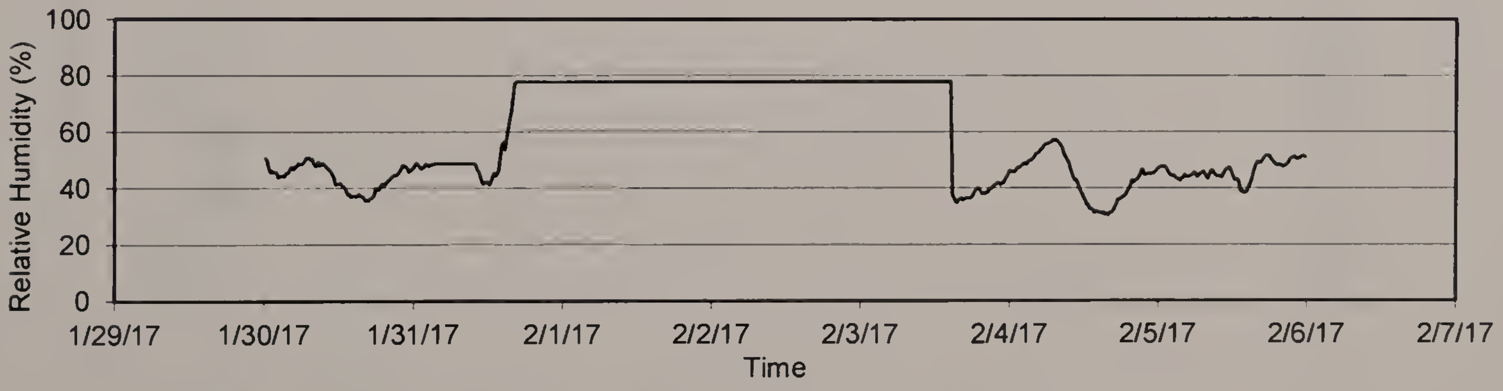


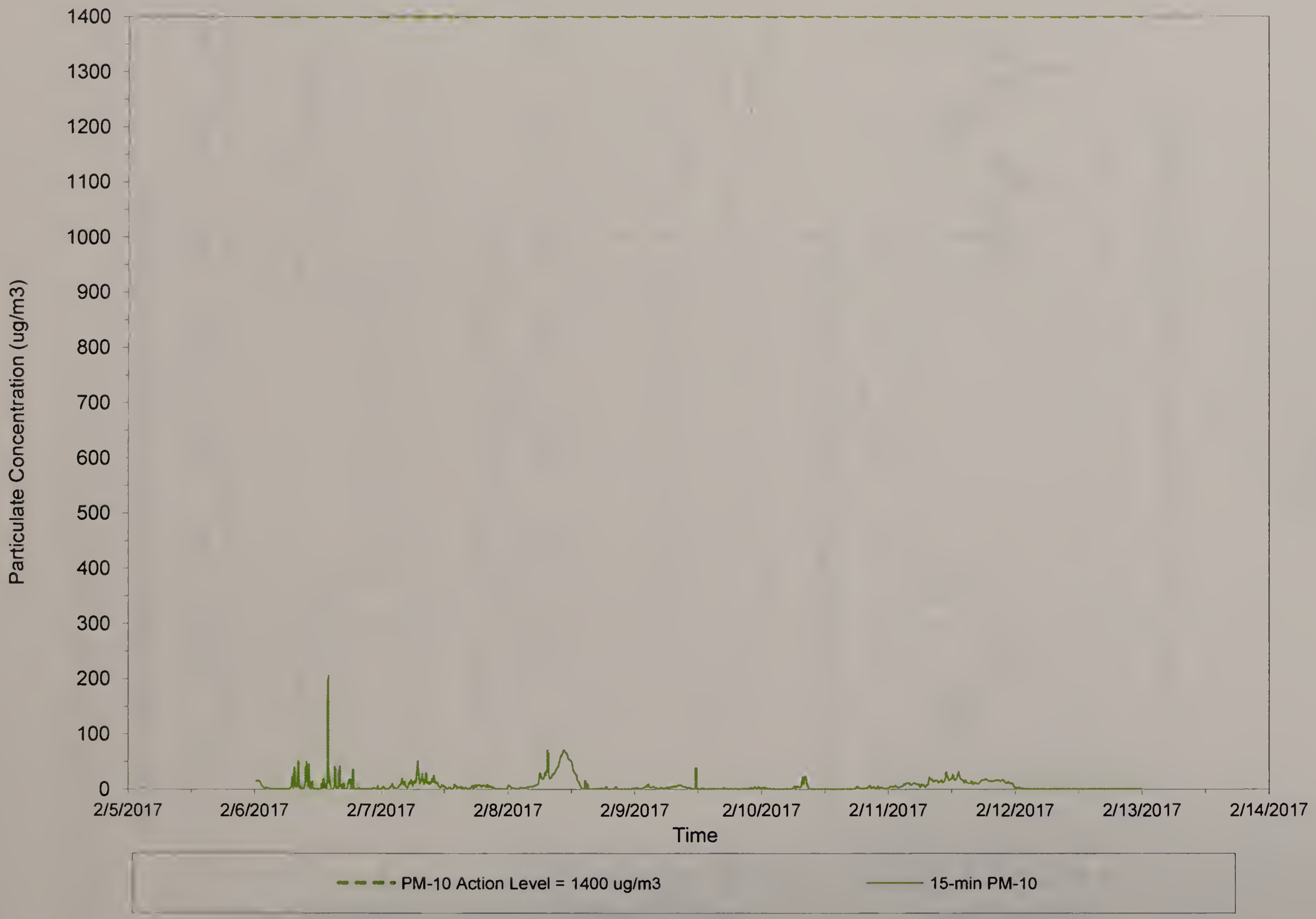
Figure 4. Relative humidity for the period 1/30/2017 through 2/5/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Feb13,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 6.24

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
2/6/2017	204.61
2/7/2017	50.78
2/8/2017	70.35
2/9/2017	37.93
2/10/2017	23.50
2/11/2017	31.28
2/12/2017	3.34

Wind Summary Statistics	
CALM	9%
UW	10%
UW/CW	0%
CW	0%
CW/DW	1%
DW	13%
DW/CW	5%
CW/UW	62%
TOTAL	100%

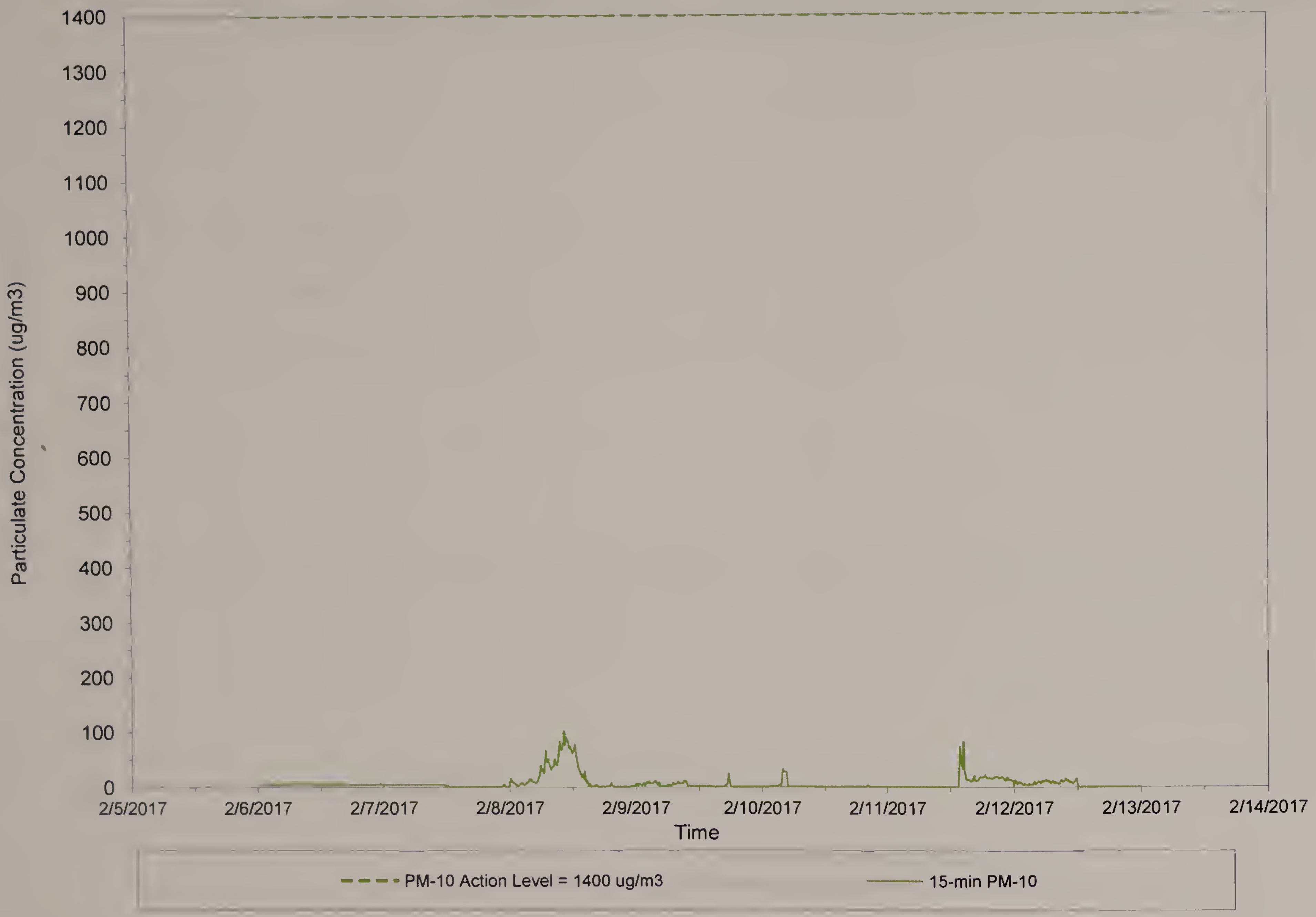
Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_02122017\STA1_WEEKLYFeb17.xls

AirLogics, LLC
Perimeter Air Monitoring Systems
Proactive by Design

Feb13,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 6.48

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
2/6/2017	6.87
2/7/2017	4.33
2/8/2017	101.45
2/9/2017	24.19
2/10/2017	32.39
2/11/2017	82.89
2/12/2017	15.51

Wind Summary Statistics	
CALM	9%
UW	3%
UW/CW	0%
CW	7%
CW/DW	5%
DW	74%
DW/CW	2%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_02122017\STA2_WEEKLYFeb17.xls

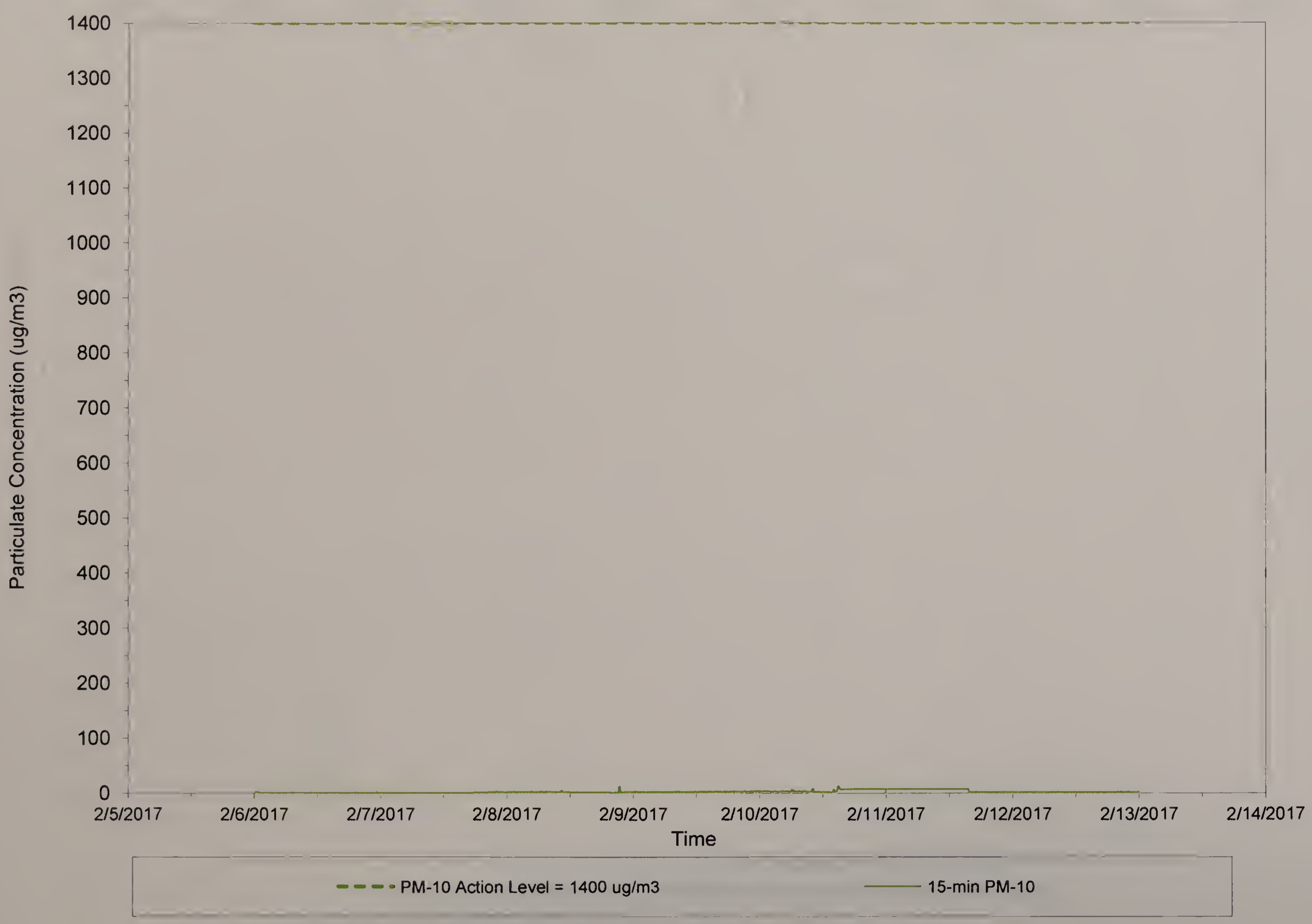
AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Feb13,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3

15-minute average concentrations



Weekly

Data Summary Statistics

PM-10 Avg =	1.64

Daily

Data Summary Statistics

PM10 max=	(15Min Avg)
2/6/2017	1.91
2/7/2017	1.45
2/8/2017	10.49
2/9/2017	3.13
2/10/2017	12.07
2/11/2017	6.23
2/12/2017	0.61

Wind Summary Statistics	
CALM	9%
UW	24%
UW/CW	0%
CW	0%
CW/DW	0%
DW	13%
DW/CW	0%
CW/UW	54%
TOTAL	100%

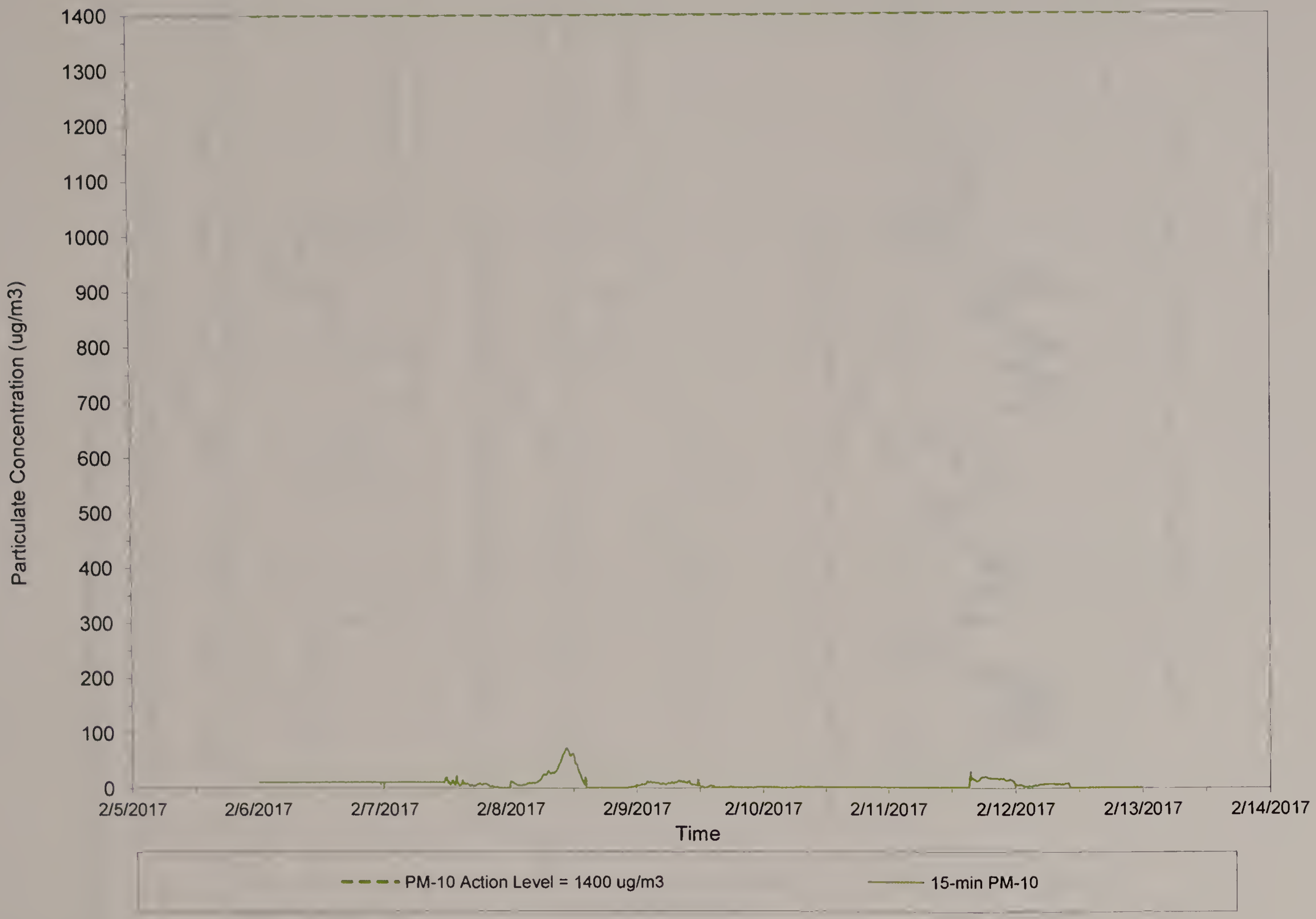
AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_02122017\STA3_WEEKLYFeb17.xls

Feb13,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 6.82

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
2/6/2017	10.50
2/7/2017	22.16
2/8/2017	72.11
2/9/2017	14.36
2/10/2017	1.57
2/11/2017	28.98
2/12/2017	8.37

Wind Summary Statistics	
CALM	9%
UW	0%
UW/CW	0%
CW	22%
CW/DW	1%
DW	2%
DW/CW	0%
CW/UW	65%
TOTAL	100%

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_02122017\STA4_WEEKLYFeb17.xls

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

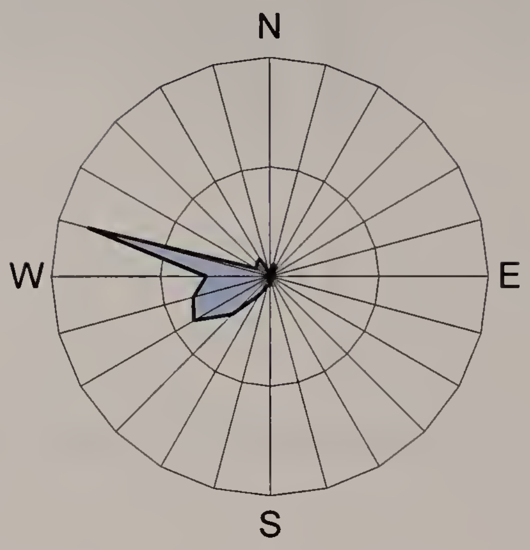


Figure 1. Wind rose for the period 2/6/2017 through 2/12/2017

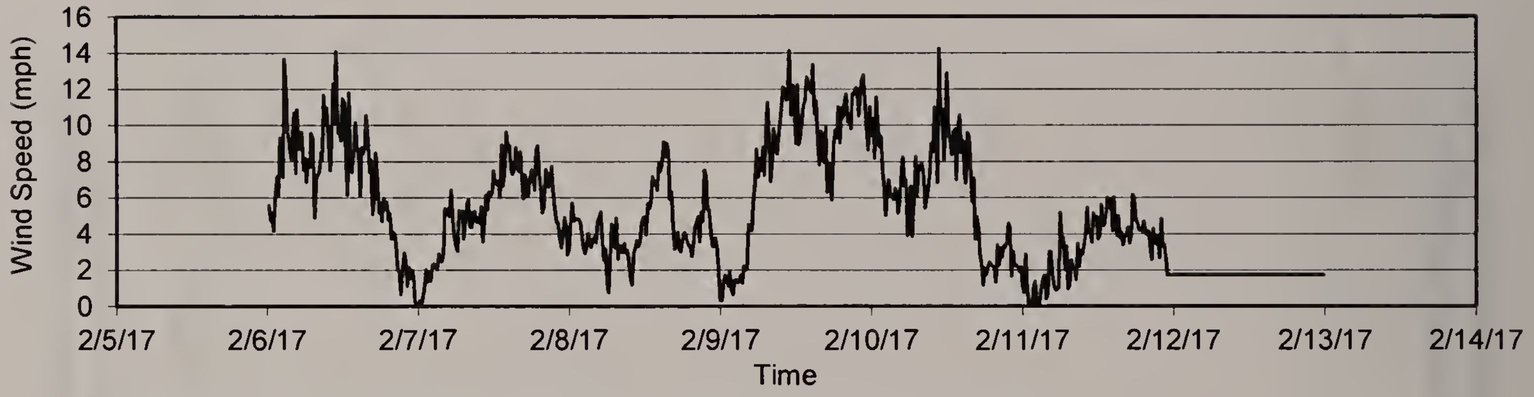


Figure 2. Wind speed for the period 2/6/2017 through 2/12/2017

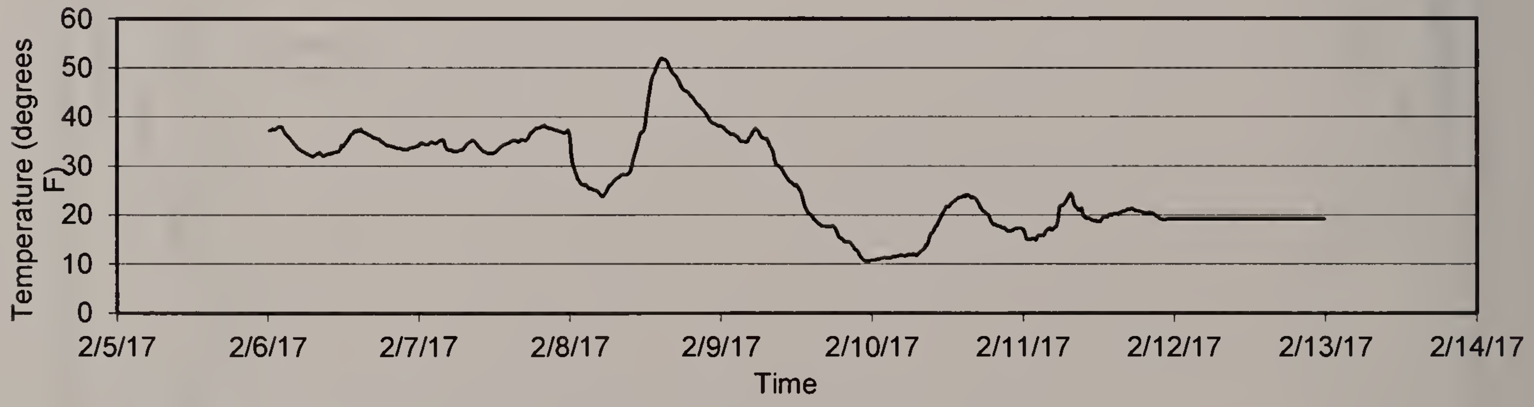


Figure 3. Temperature for the period 2/6/2017 through 2/12/2017

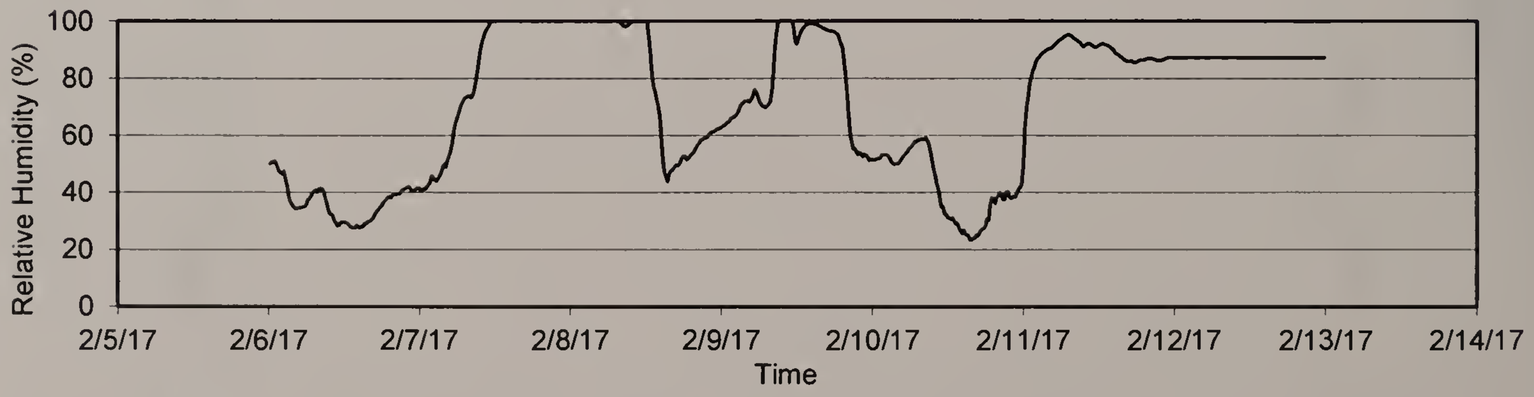


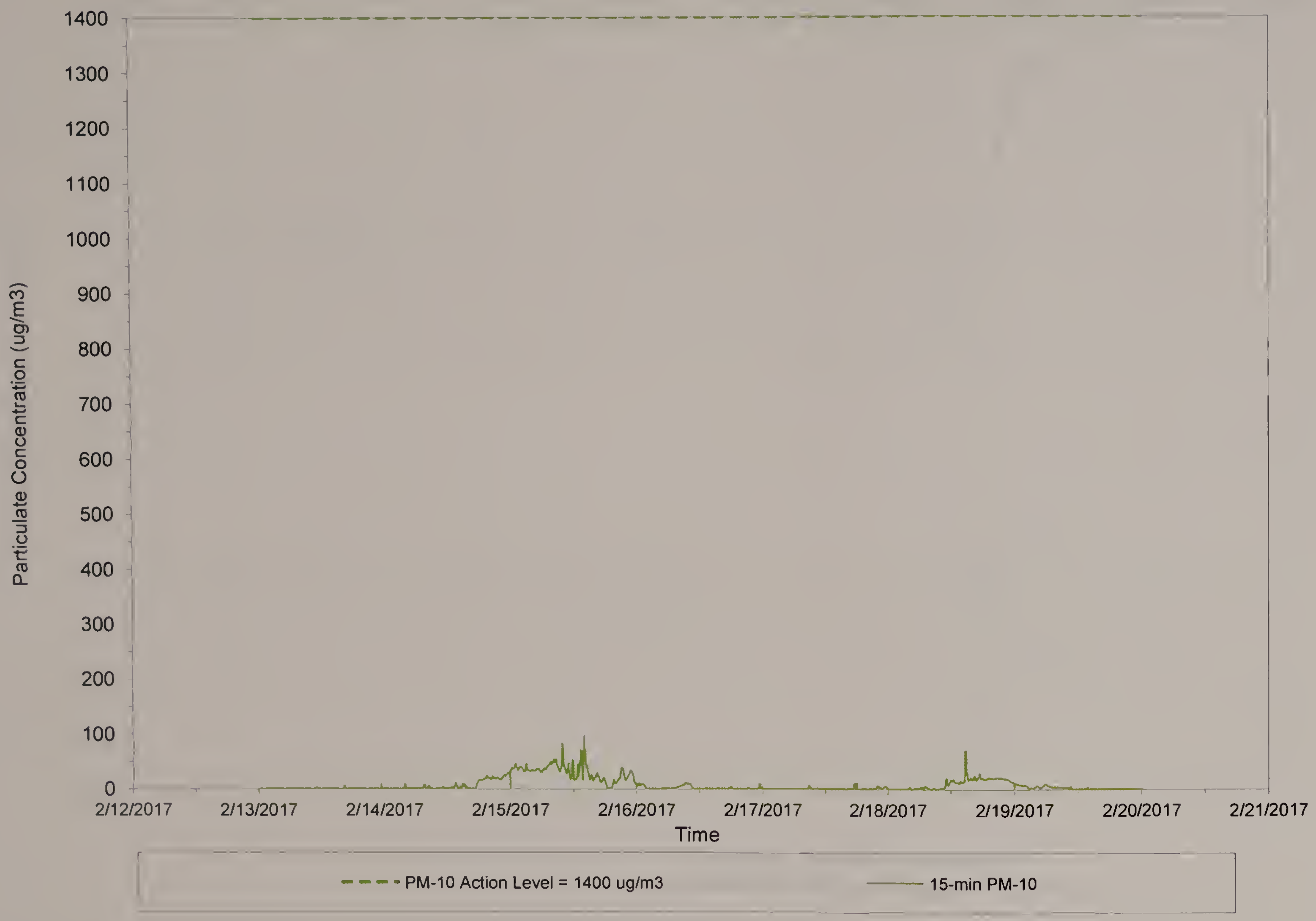
Figure 4. Relative humidity for the period 2/6/2017 through 2/12/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Feb20,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 7.29

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
2/13/2017	8.50
2/14/2017	31.91
2/15/2017	96.16
2/16/2017	10.98
2/17/2017	10.87
2/18/2017	69.52
2/19/2017	10.92

Wind Summary Statistics	
CALM	30%
UW	1%
UW/CW	0%
CW	0%
CW/DW	0%
DW	24%
DW/CW	4%
CW/UW	40%
TOTAL	100%

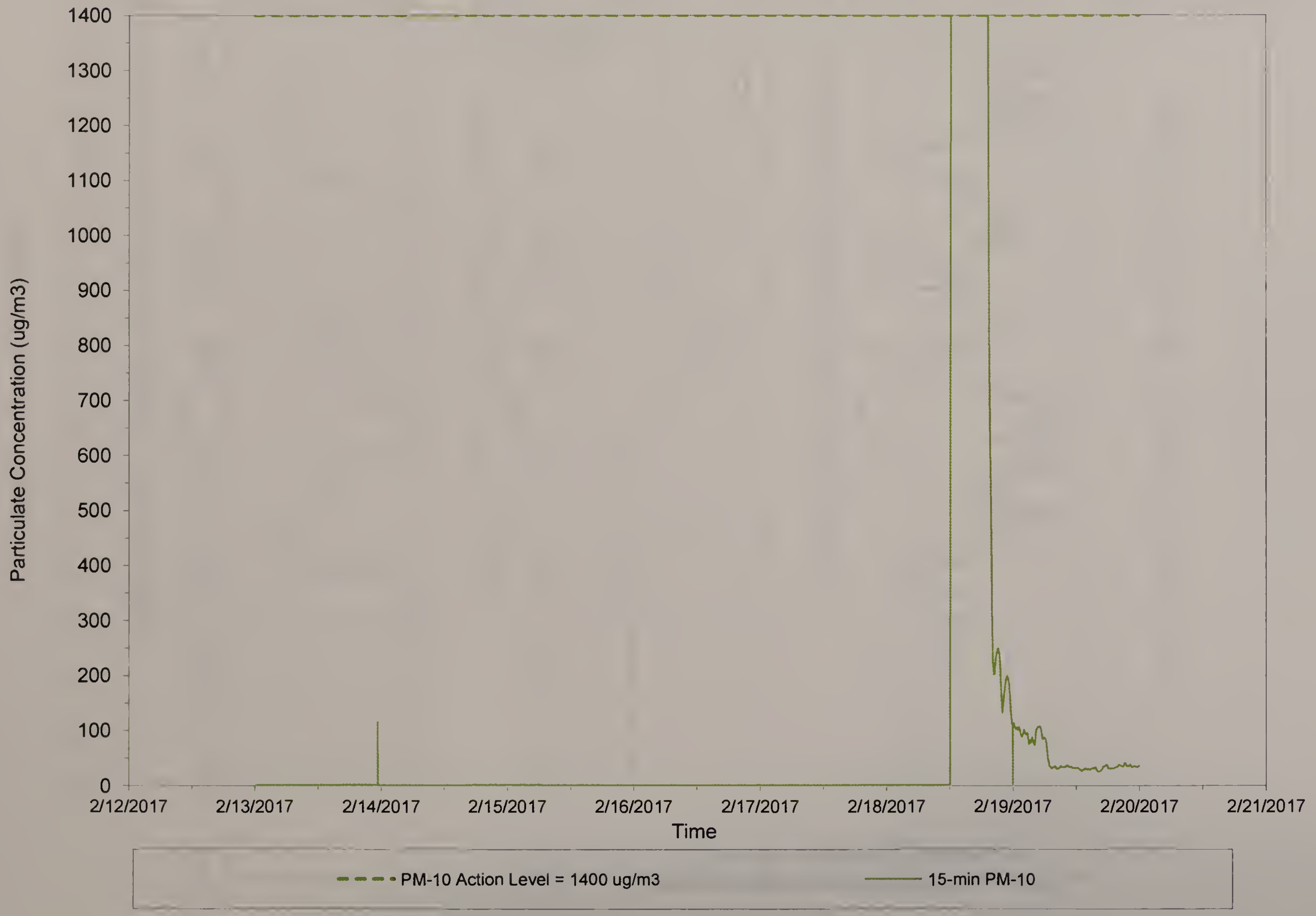
Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_02192017\STA1_WEEKLYFeb17.xls

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Feb20,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 98.14

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
2/13/2017	114.48
2/14/2017	0.53
2/15/2017	0.61
2/16/2017	0.00
2/17/2017	0.00
2/18/2017	1981.03
2/19/2017	113.03

Wind Summary Statistics	
CALM	30%
UW	3%
UW/CW	1%
CW	18%
CW/DW	5%
DW	43%
DW/CW	0%
CW/UW	0%
TOTAL	100%

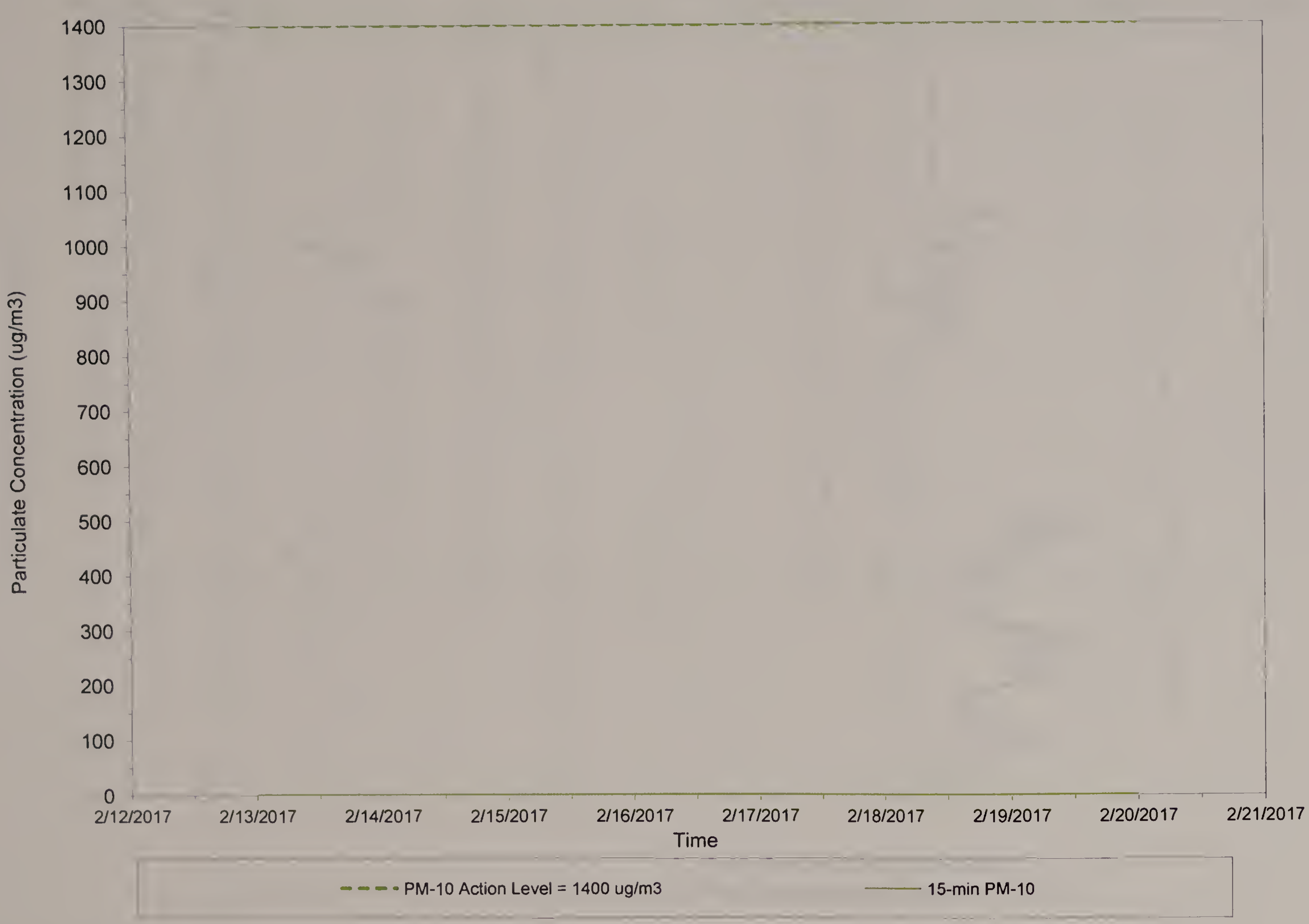
Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_02192017\STA2_WEEKLYFeb17.xls

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Feb20,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg =	0.61

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
2/13/2017	0.61
2/14/2017	0.61
2/15/2017	0.61
2/16/2017	0.61
2/17/2017	0.61
2/18/2017	1.68
2/19/2017	0.61

Wind Summary Statistics	
CALM	30%
UW	35%
UW/CW	0%
CW	0%
CW/DW	0%
DW	2%
DW/CW	0%
CW/UW	33%
TOTAL	100%

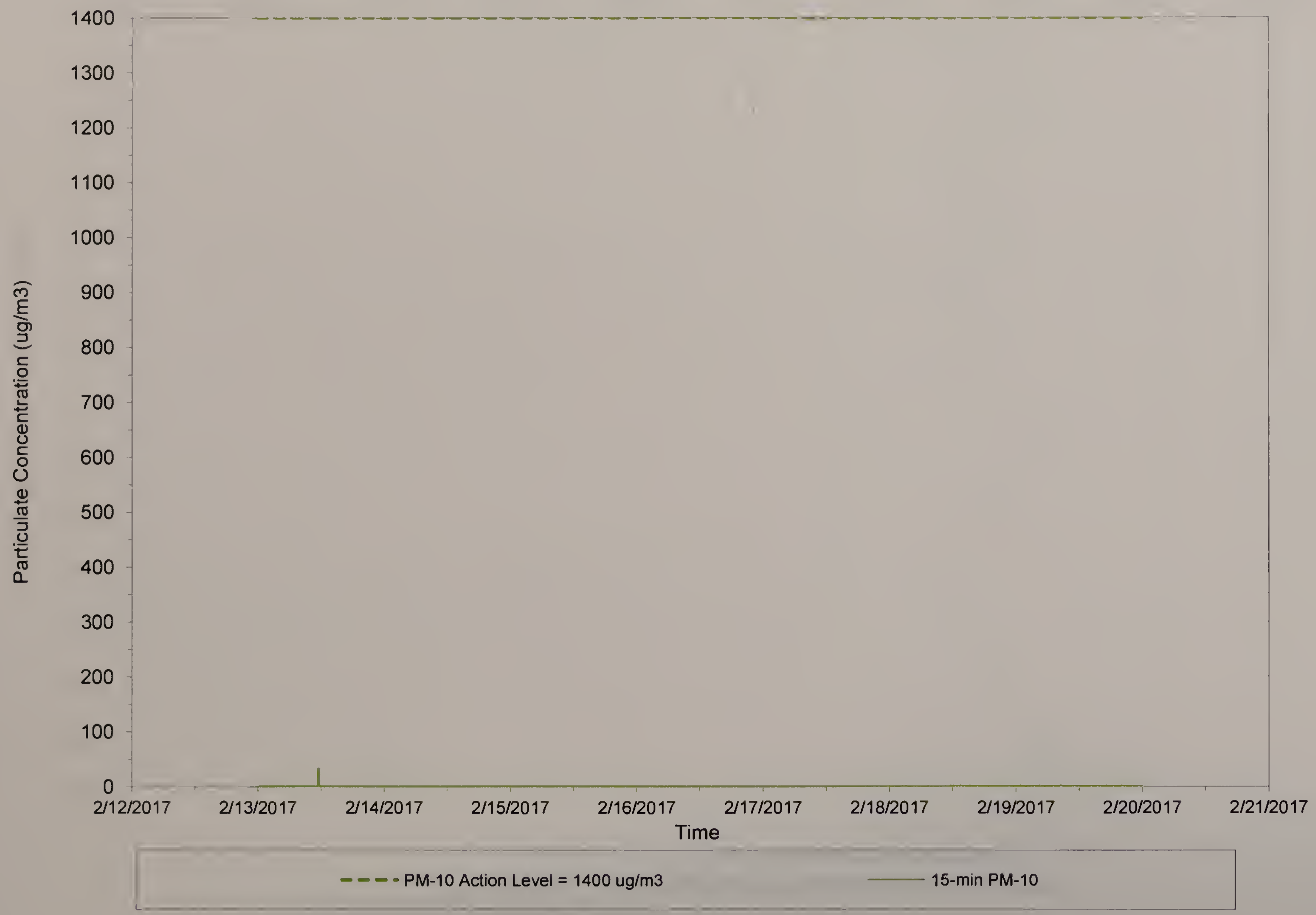
AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_02192017\STA3_WEEKLYFeb17.xls

Feb20,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.18

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
2/13/2017	32.62
2/14/2017	0.00
2/15/2017	0.00
2/16/2017	0.00
2/17/2017	0.00
2/18/2017	0.94
2/19/2017	1.21

Wind Summary Statistics	
CALM	30%
UW	0%
UW/CW	0%
CW	25%
CW/DW	0%
DW	2%
DW/CW	0%
CW/UW	42%
TOTAL	100%

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_02192017\STA4_WEEKLYFeb17.xls

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

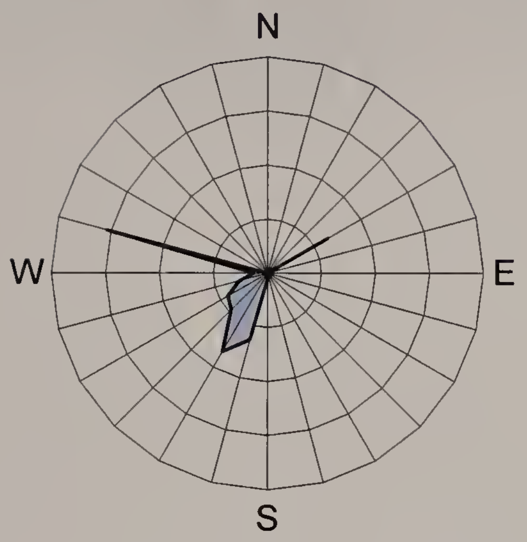


Figure 1. Wind rose for the period 2/13/2017 through 2/19/2017

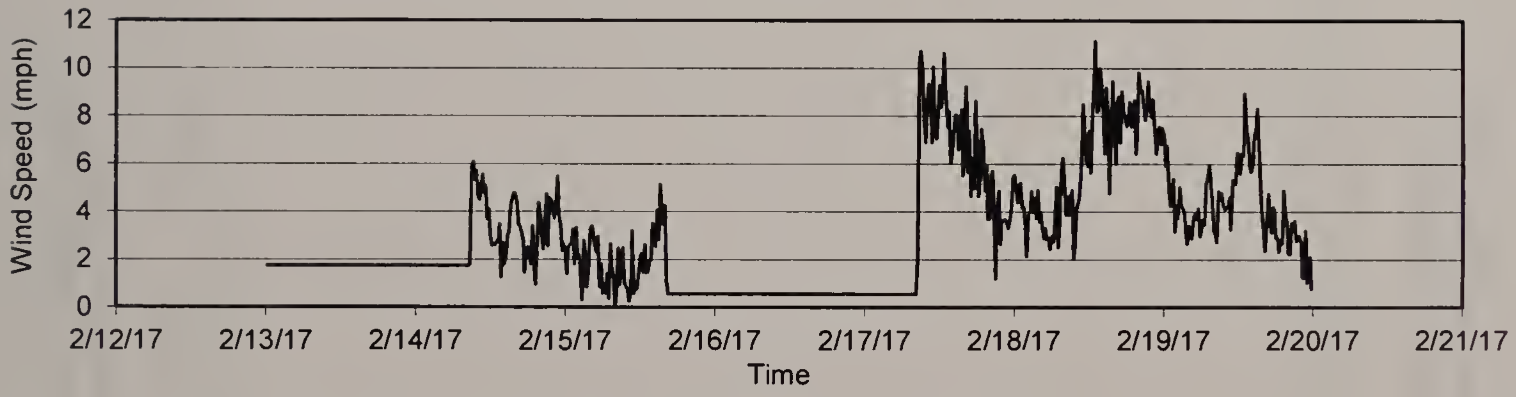


Figure 2. Wind speed for the period 2/13/2017 through 2/19/2017

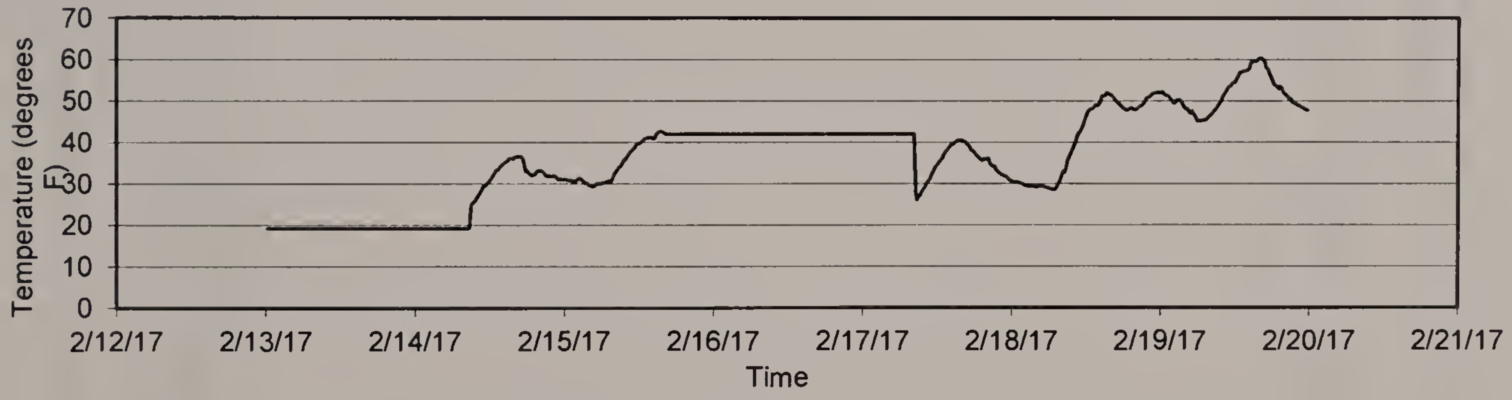


Figure 3. Temperature for the period 2/13/2017 through 2/19/2017

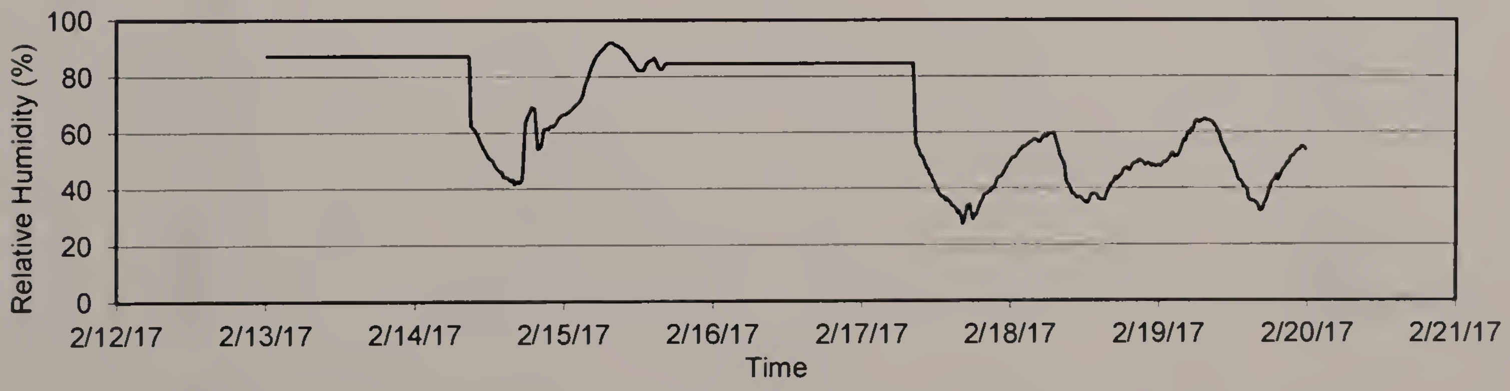


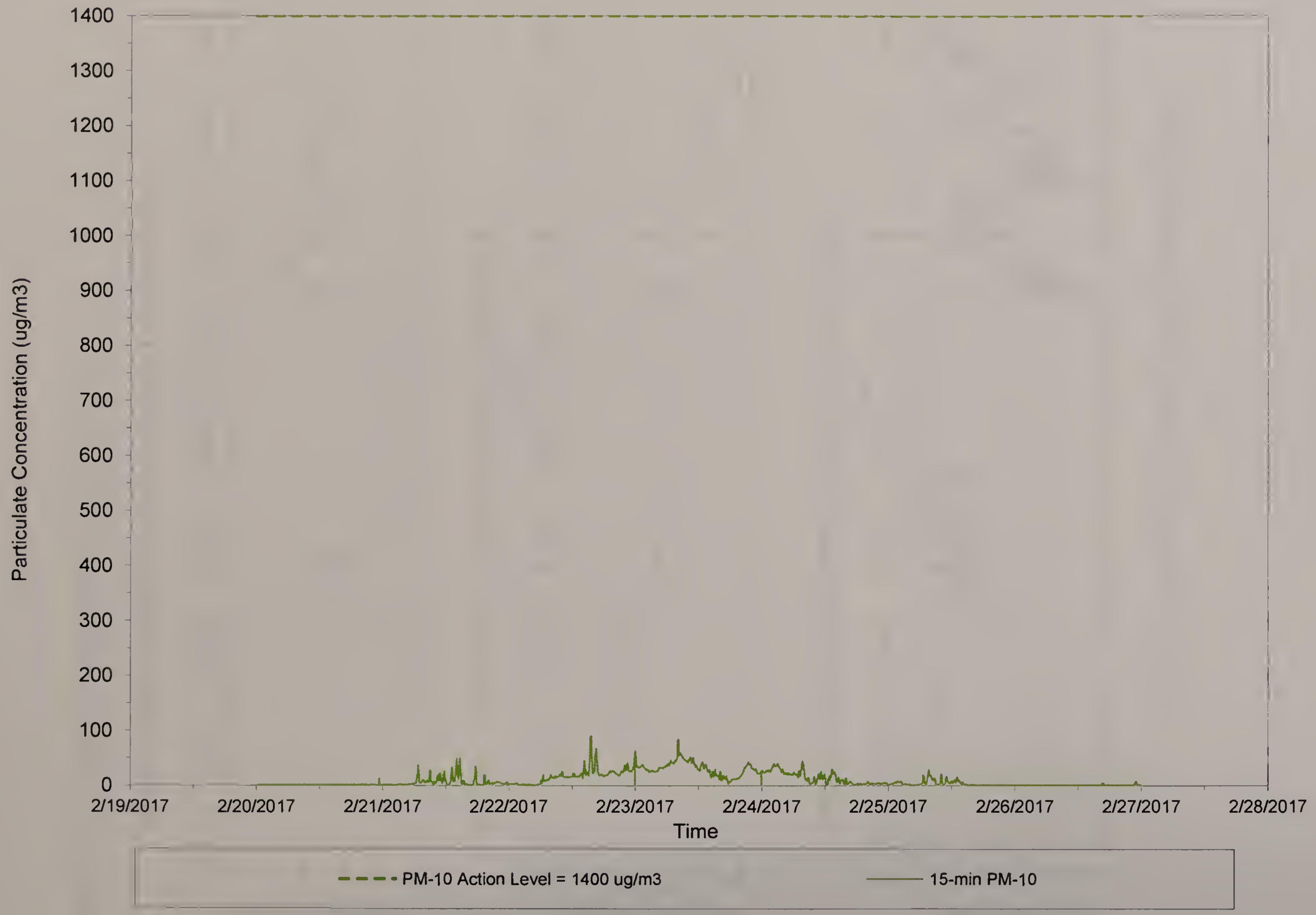
Figure 4. Relative humidity for the period 2/13/2017 through 2/19/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Feb27,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 10.02

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
2/20/2017	11.70
2/21/2017	49.32
2/22/2017	89.08
2/23/2017	83.45
2/24/2017	43.66
2/25/2017	28.05
2/26/2017	6.94

Wind Summary Statistics	
CALM	14%
UW	2%
UW/CW	0%
CW	0%
CW/DW	1%
DW	46%
DW/CW	5%
CW/UW	32%
TOTAL	100%

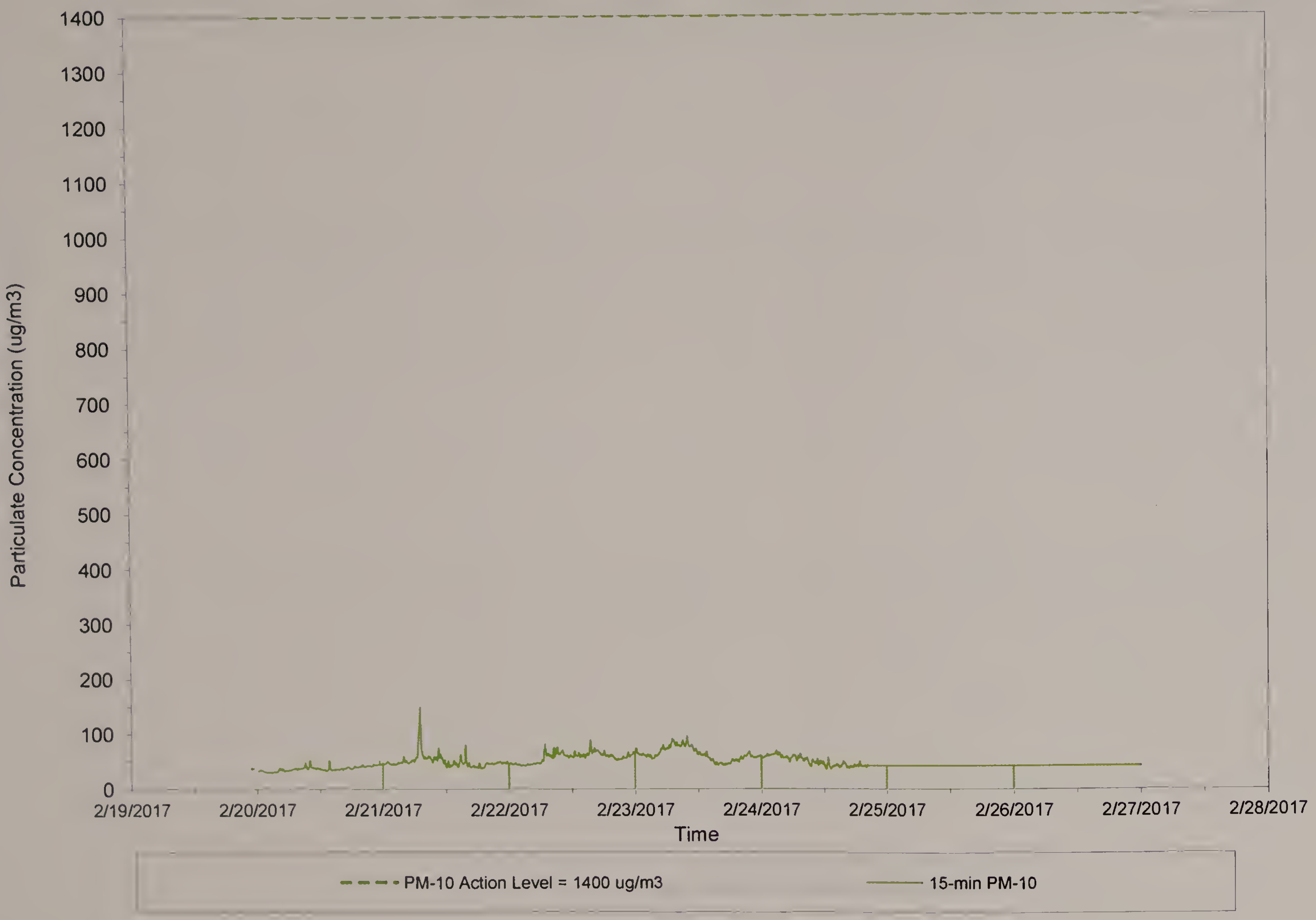
AirLogics, LLC
Perimeter Air Monitoring Systems
Proactive by Design

Filename: C:\Users\matthew.dion\Documents\Everett 2016\Air Logics\Reports\STA1_WEEKLYFeb17.xls

Feb27,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 47.84

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
2/20/2017	51.51
2/21/2017	147.62
2/22/2017	87.27
2/23/2017	94.25
2/24/2017	68.07
2/25/2017	41.20
2/26/2017	41.20

Wind Summary Statistics	
CALM	14%
UW	14%
UW/CW	4%
CW	27%
CW/DW	4%
DW	37%
DW/CW	0%
CW/UW	0%
TOTAL	100%

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Perimeter Air Monitoring Systems
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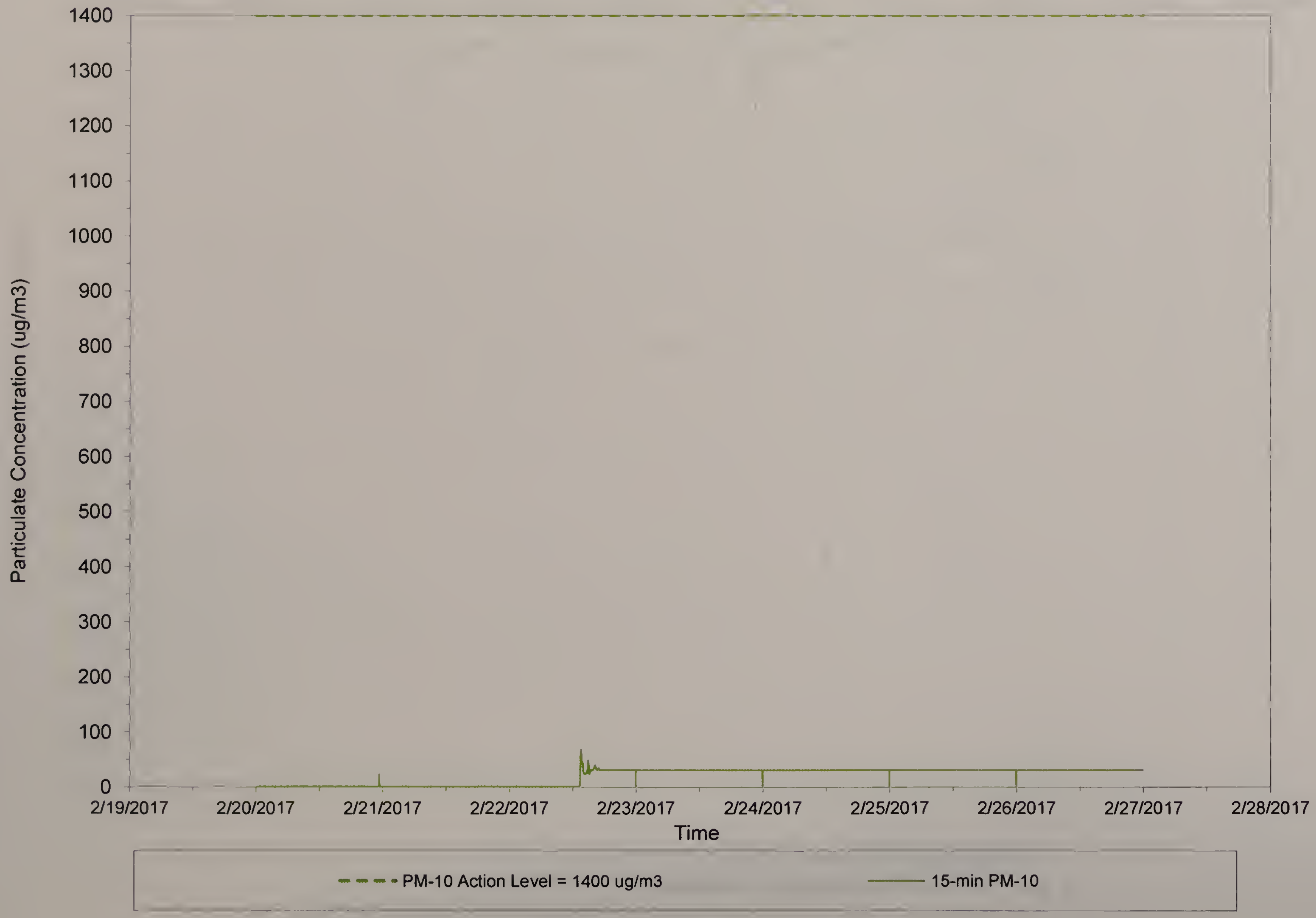
Filename: C:\Users\matthew.dion\Documents\Everett 2016\Air Logics\Reports\STA2_WEEKLYFeb17.xls

Feb27,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 19.72

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
2/20/2017	22.77
2/21/2017	0.61
2/22/2017	67.43
2/23/2017	30.58
2/24/2017	30.58
2/25/2017	30.58
2/26/2017	30.58

Wind Summary Statistics	
CALM	14%
UW	55%
UW/CW	0%
CW	0%
CW/DW	0%
DW	6%
DW/CW	0%
CW/UW	25%
TOTAL	100%

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Perimeter Air Monitoring Systems
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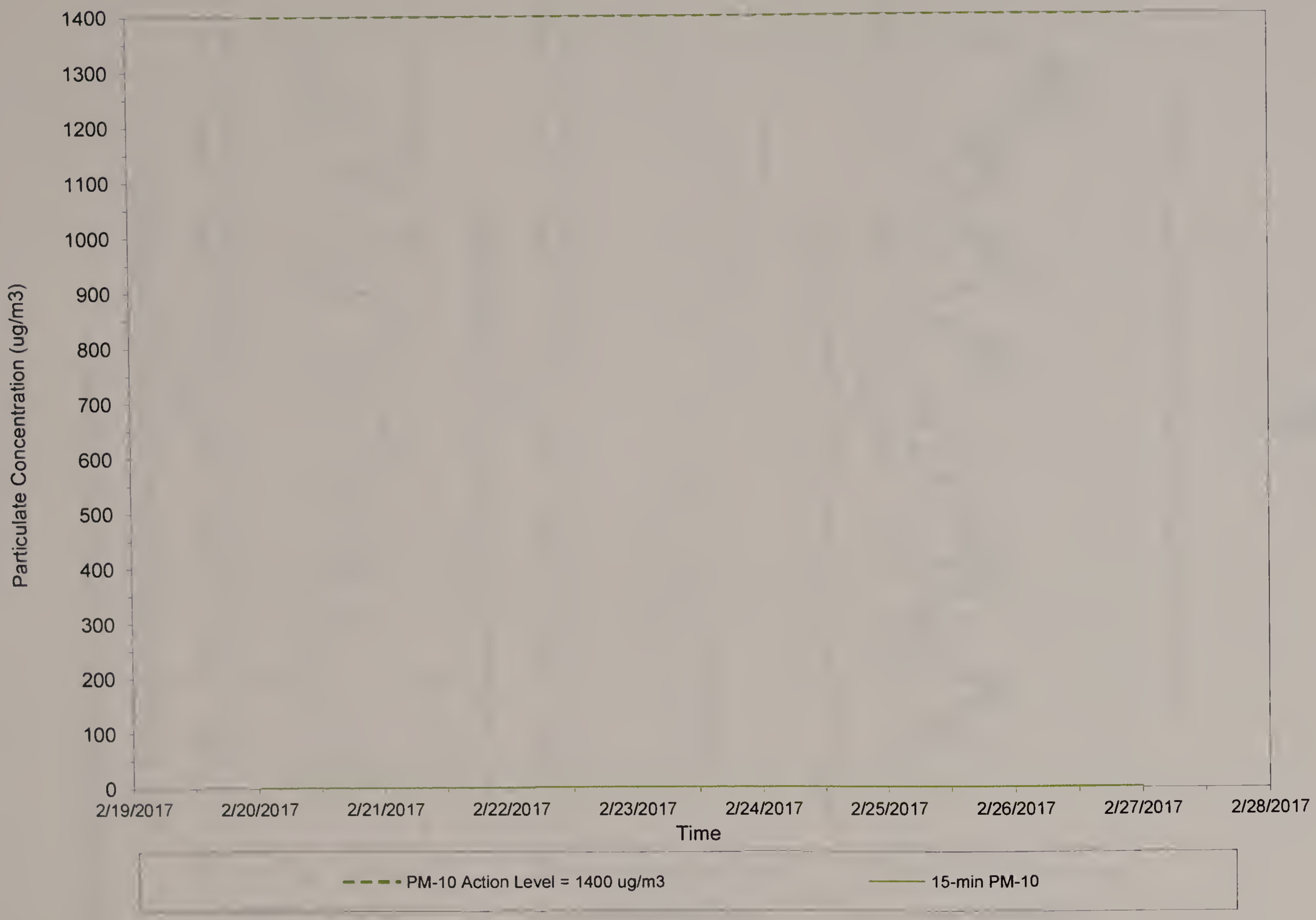
Feb27,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 1.17

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
2/20/2017	1.27
2/21/2017	1.09
2/22/2017	1.46
2/23/2017	1.46
2/24/2017	1.46
2/25/2017	1.46
2/26/2017	1.46

Wind Summary Statistics	
CALM	14%
UW	0%
UW/CW	0%
CW	42%
CW/DW	1%
DW	7%
DW/CW	1%
CW/UW	35%
TOTAL	100%

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PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Filename: C:\Users\matthew.dion\Documents\Everett 2016\Air Logics\Reports\STA4_WEEKLYFeb17.xls

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

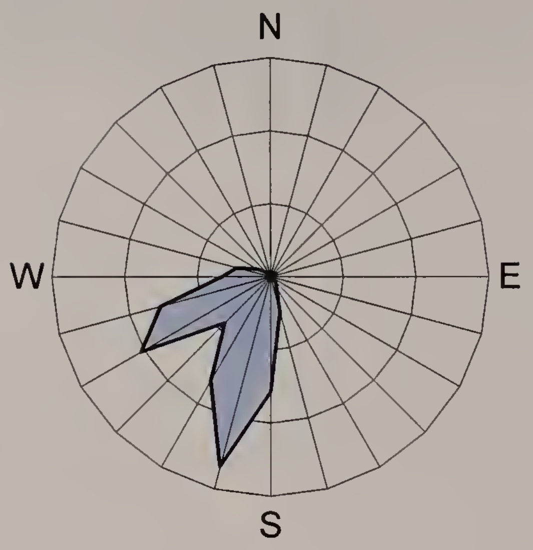


Figure 1. Wind rose for the period 2/20/2017 through 2/26/2017

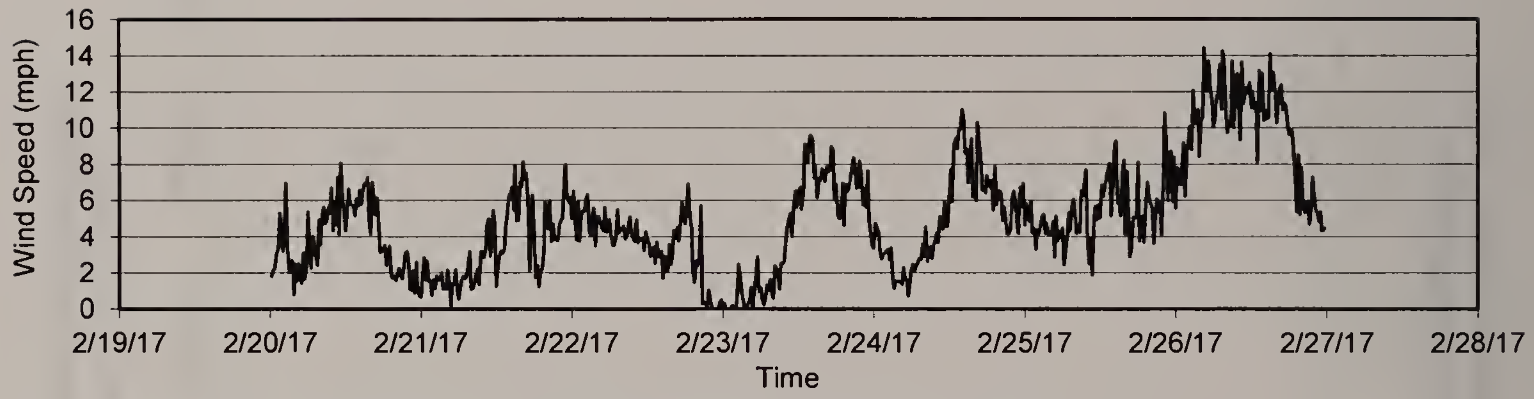


Figure 2. Wind speed for the period 2/20/2017 through 2/26/2017

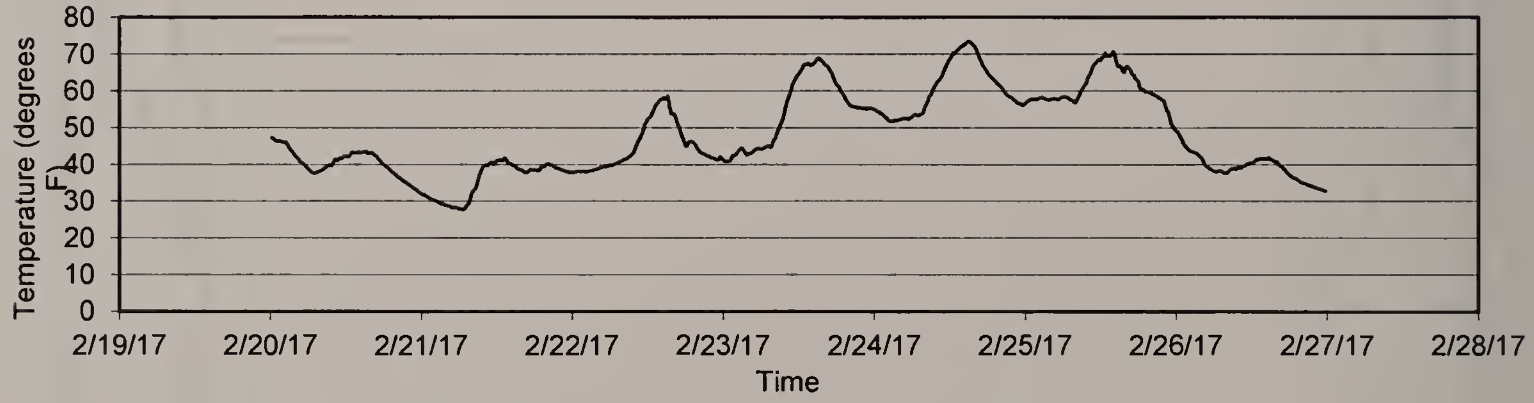


Figure 3. Temperature for the period 2/20/2017 through 2/26/2017

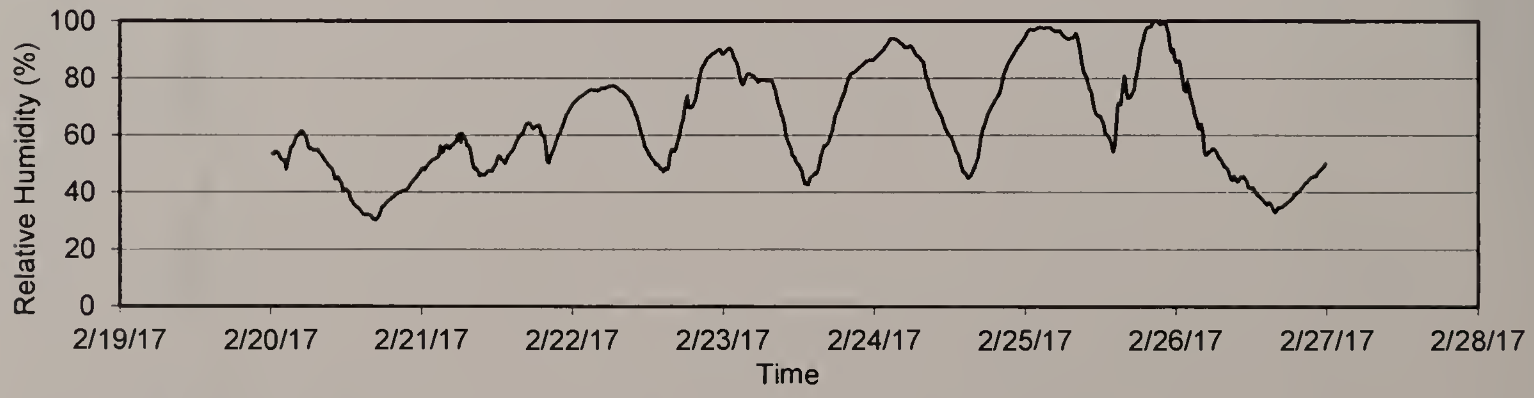


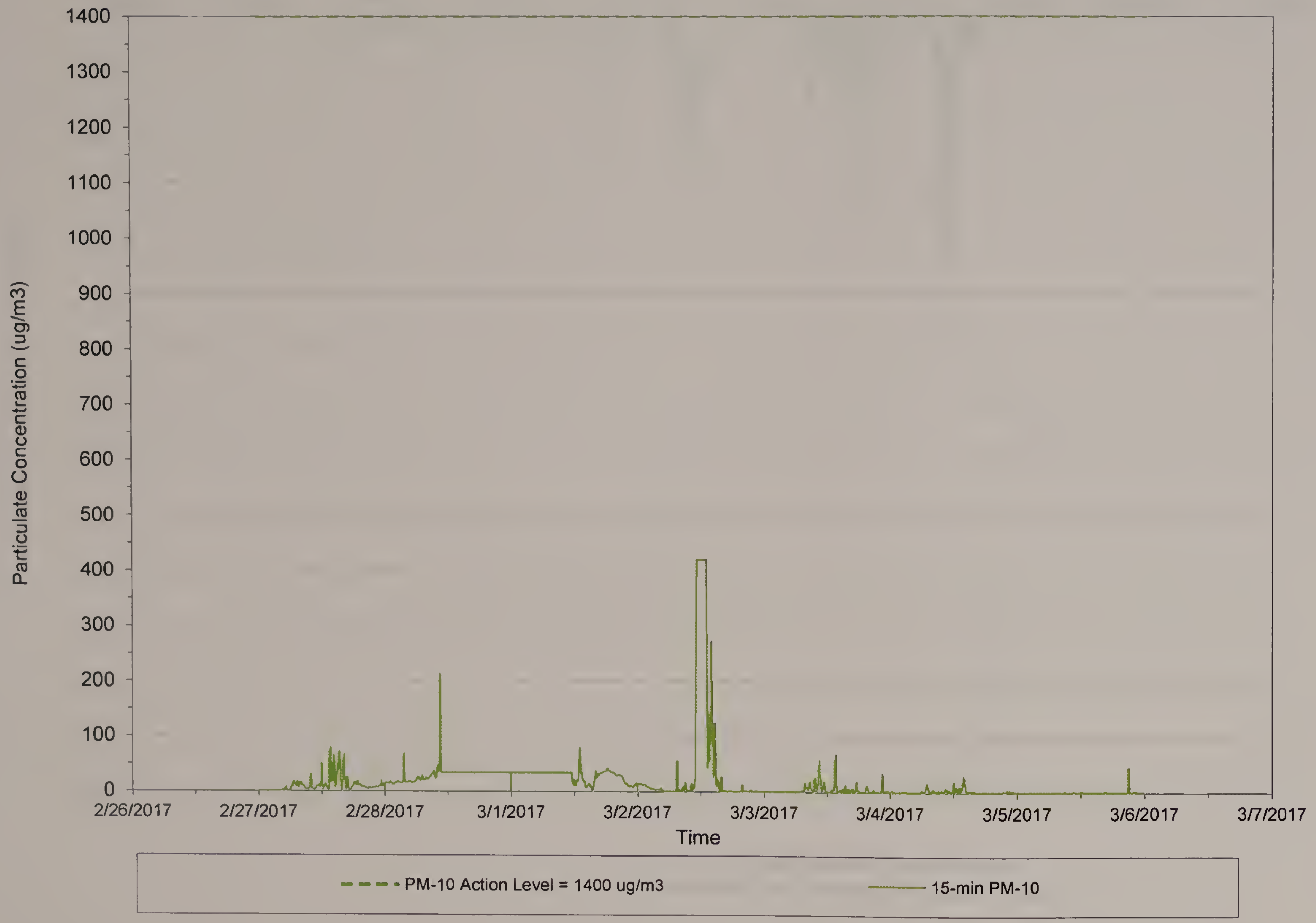
Figure 4. Relative humidity for the period 2/20/2017 through 2/26/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Mar06,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly

Data Summary Statistics	
PM-10 Avg =	17.52

Daily

Data Summary Statistics	
PM10 max=	(15Min Avg)
2/27/2017	77.78
2/28/2017	213.18
3/1/2017	78.14
3/2/2017	418.96
3/3/2017	67.55
3/4/2017	28.85
3/5/2017	44.56

Wind Summary Statistics	
CALM	18%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	25%
DW/CW	8%
CW/UW	49%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\March 2017\STA1_WEEKLYMar17.xls

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PERIMETER AIR MONITORING SYSTEMS
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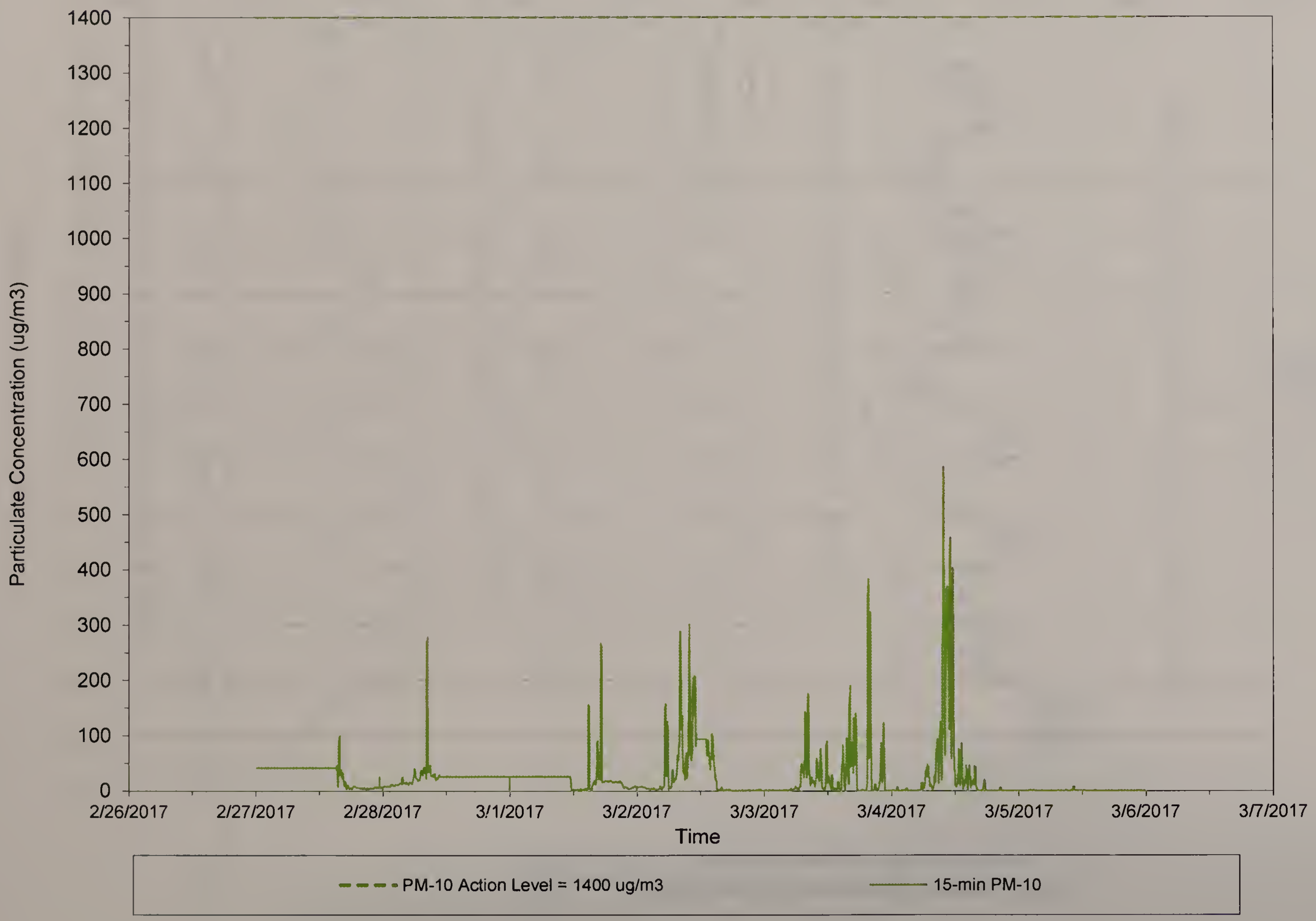
Mar06,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 25.72

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
2/27/2017	98.85
2/28/2017	277.36
3/1/2017	265.96
3/2/2017	300.53
3/3/2017	381.83
3/4/2017	584.90
3/5/2017	7.18

Wind Summary Statistics	
CALM	18%
UW	2%
UW/CW	1%
CW	18%
CW/DW	8%
DW	54%
DW/CW	0%
CW/UW	0%
TOTAL	100%

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PERIMETER AIR MONITORING SYSTEMS
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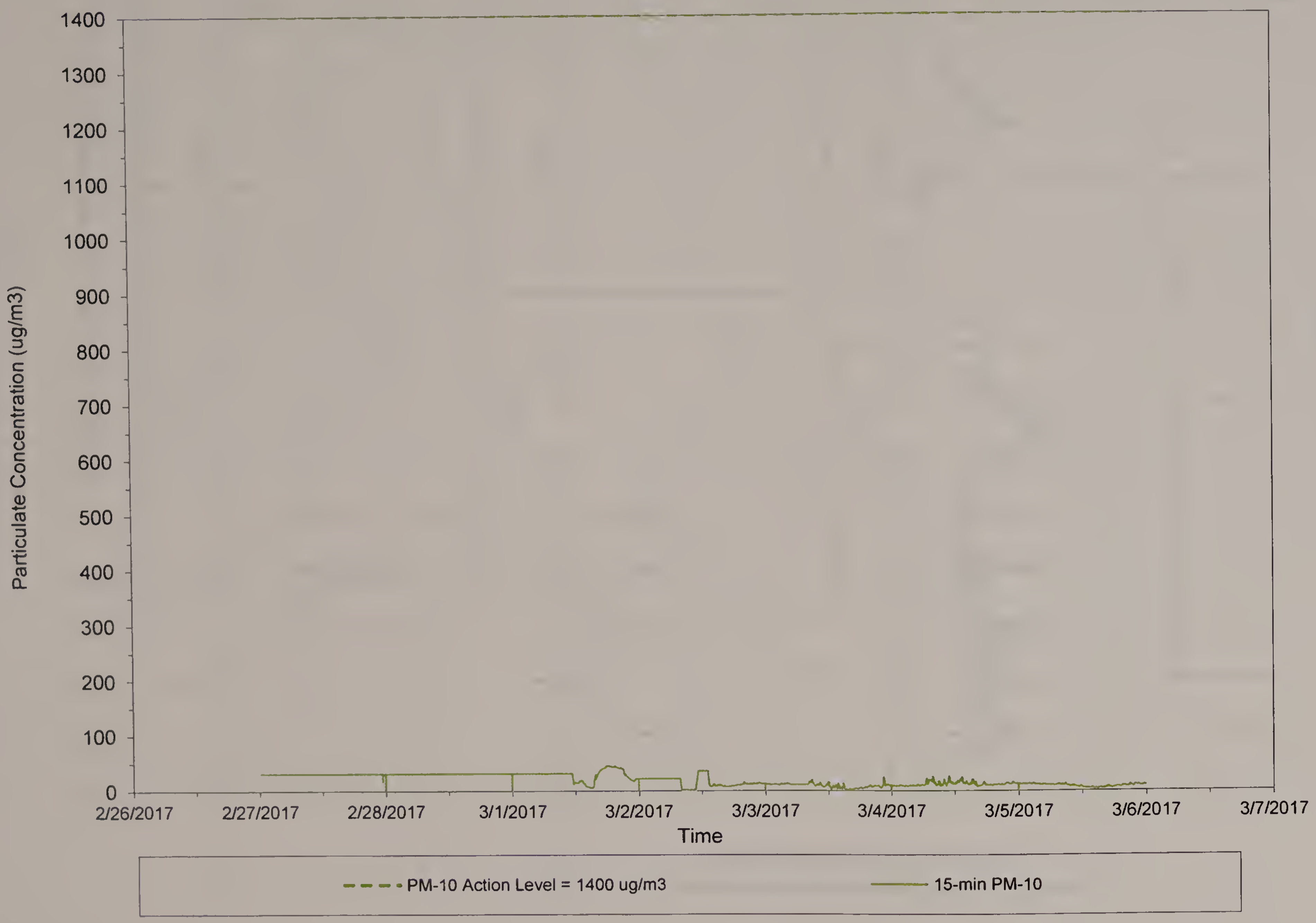
Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\March 2017\STA2_WEEKLYMar17.xls

Mar06,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly

Data Summary Statistics	
PM-10 Avg =	18.78

Daily

Data Summary Statistics	
PM10 max=	(15Min Avg)
2/27/2017	30.58
2/28/2017	30.58
3/1/2017	45.06
3/2/2017	34.97
3/3/2017	23.46
3/4/2017	24.90
3/5/2017	12.31

Wind Summary Statistics	
CALM	18%
UW	46%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	36%
TOTAL	100%

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PERIMETER AIR MONITORING SYSTEMS
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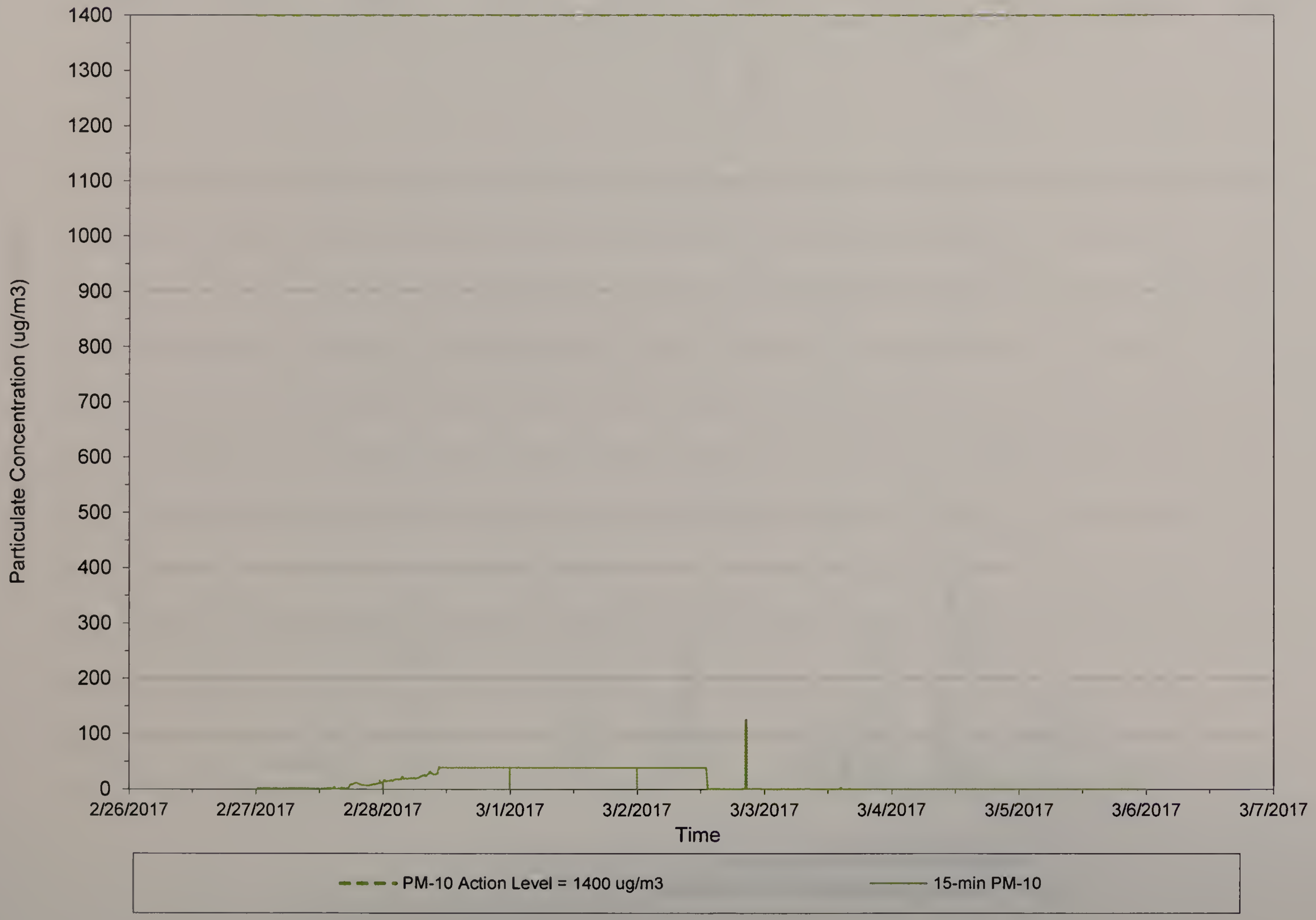
Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\March 2017\STA3_WEEKLYMar17.xls

Mar06,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg =	13.75

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
2/27/2017	15.55
2/28/2017	40.23
3/1/2017	38.94
3/2/2017	125.27
3/3/2017	2.87
3/4/2017	0.00
3/5/2017	0.00

Wind Summary Statistics	
CALM	18%
UW	0%
UW/CW	0%
CW	28%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	54%
TOTAL	100%

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
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Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\March 2017\STA4_WEEKLYMar17.xls

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

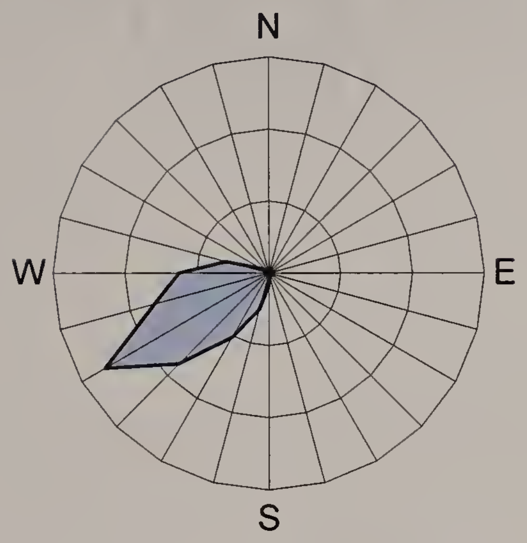


Figure 1. Wind rose for the period 2/27/2017 through 3/5/2017

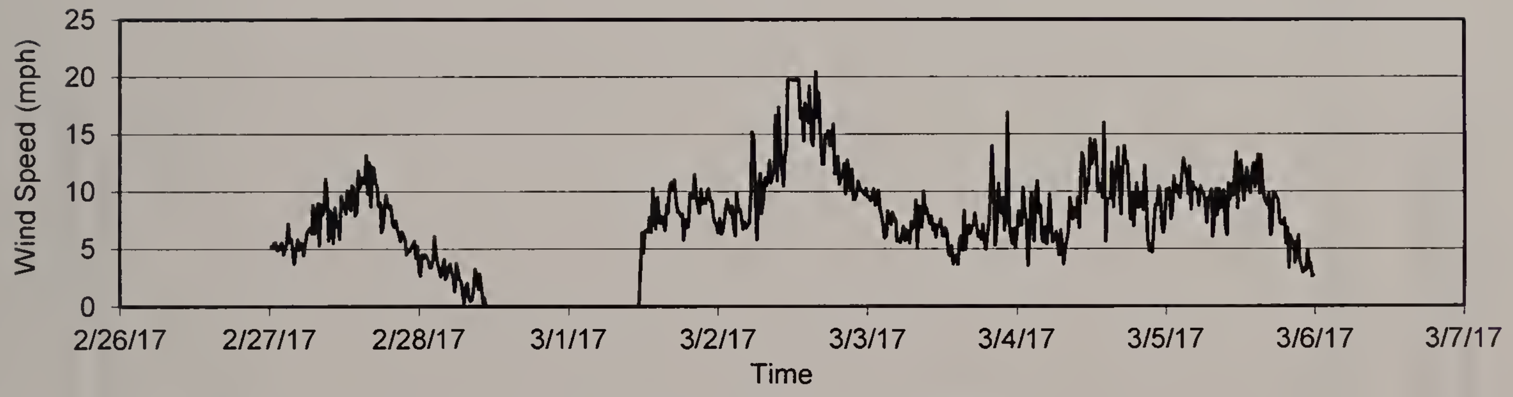


Figure 2. Wind speed for the period 2/27/2017 through 3/5/2017

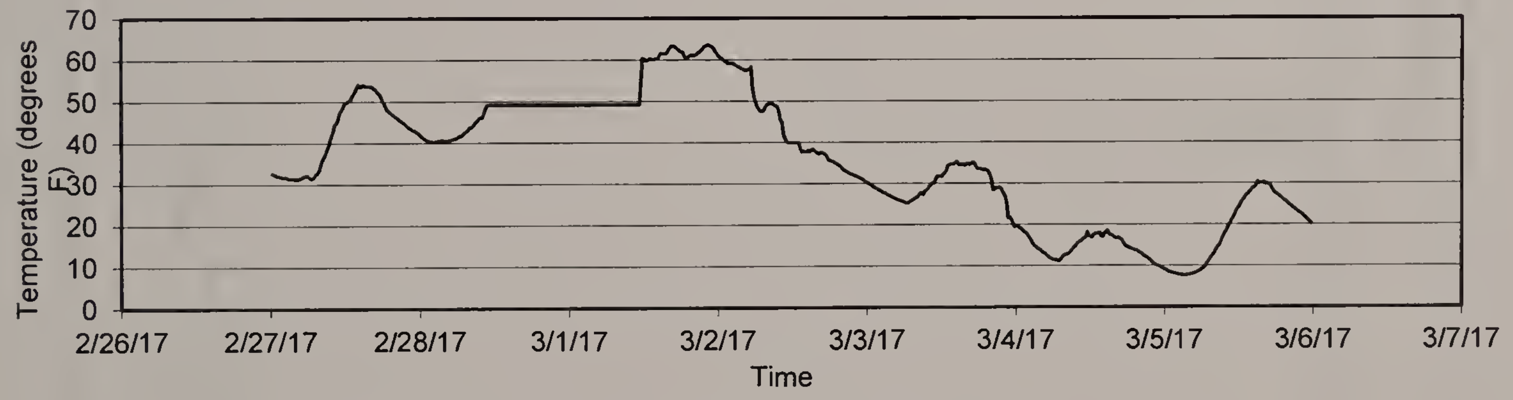


Figure 3. Temperature for the period 2/27/2017 through 3/5/2017

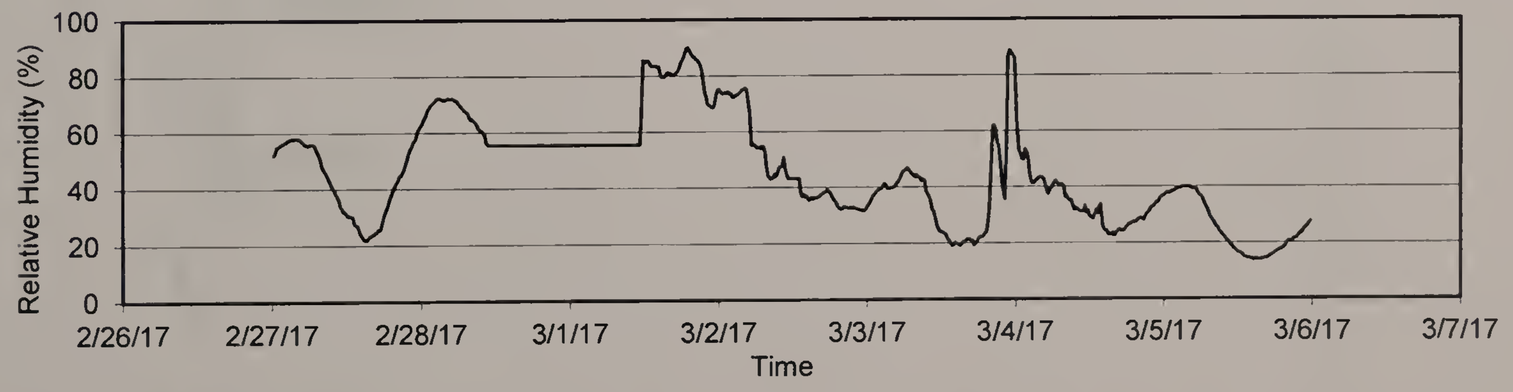


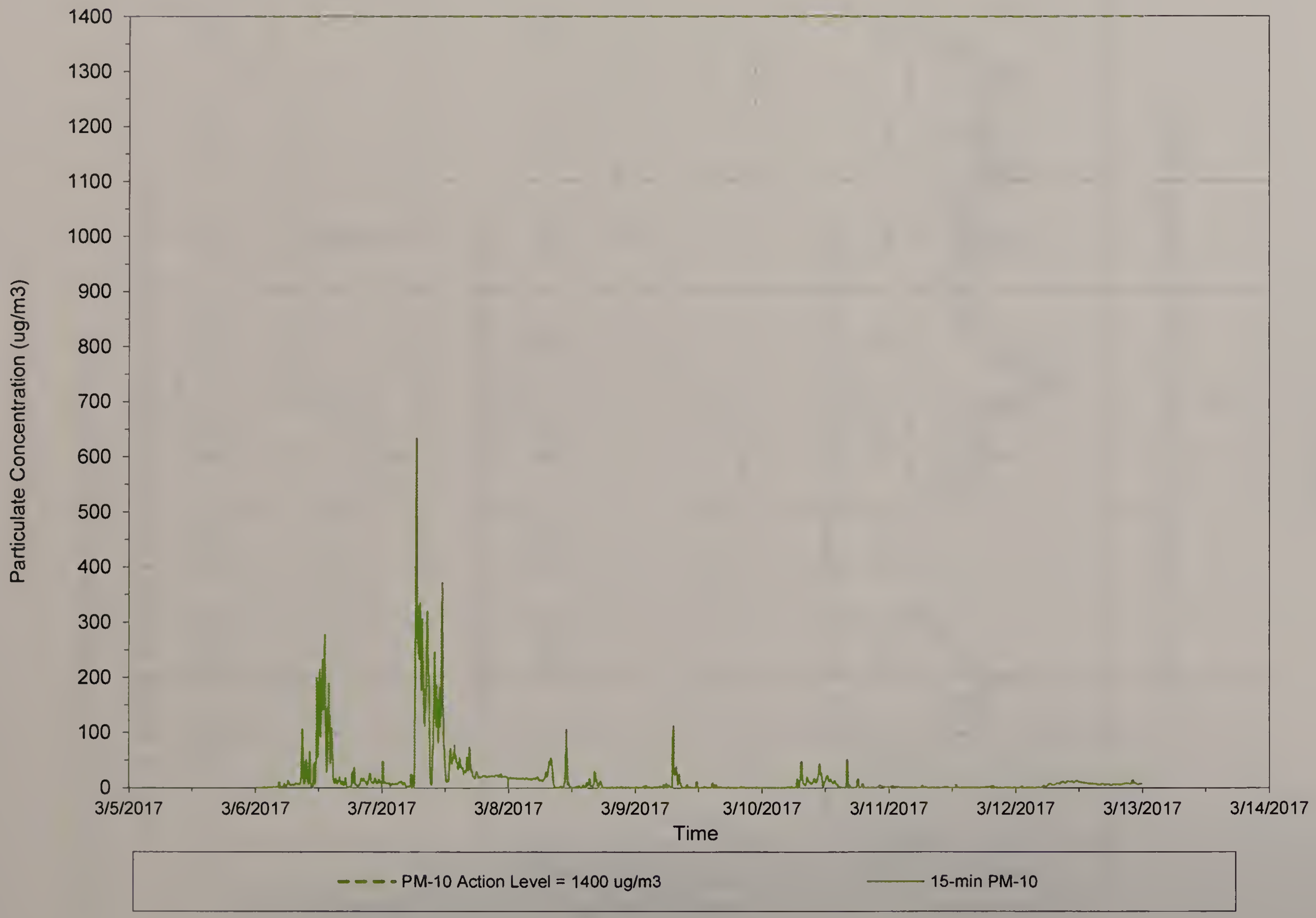
Figure 4. Relative humidity for the period 2/27/2017 through 3/5/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Mar13,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 16.57

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
3/6/2017	277.23
3/7/2017	632.98
3/8/2017	105.28
3/9/2017	111.11
3/10/2017	50.66
3/11/2017	4.91
3/12/2017	13.37

Wind Summary Statistics	
CALM	10%
UW	3%
UW/CW	0%
CW	0%
CW/DW	1%
DW	42%
DW/CW	4%
CW/UW	42%
TOTAL	100%

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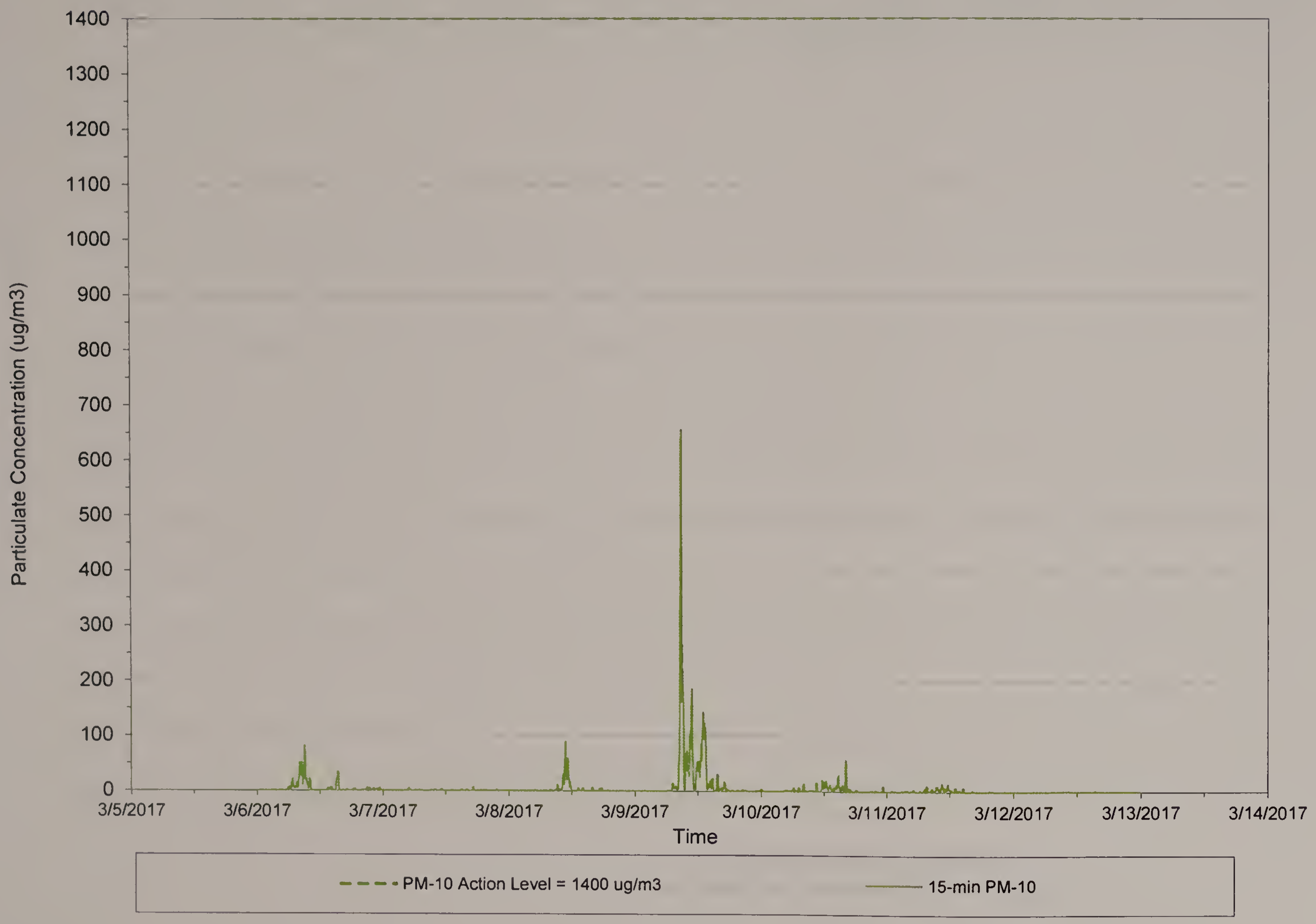
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\March 2017\STA1_WEEKLYMar17.xls

Mar13,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 5.23

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
3/6/2017	81.00
3/7/2017	6.17
3/8/2017	89.24
3/9/2017	654.77
3/10/2017	56.42
3/11/2017	15.03
3/12/2017	0.85

Wind Summary Statistics	
CALM	10%
UW	28%
UW/CW	2%
CW	11%
CW/DW	3%
DW	46%
DW/CW	1%
CW/UW	0%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\March 2017\STA2_WEEKLYMar17.xls

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
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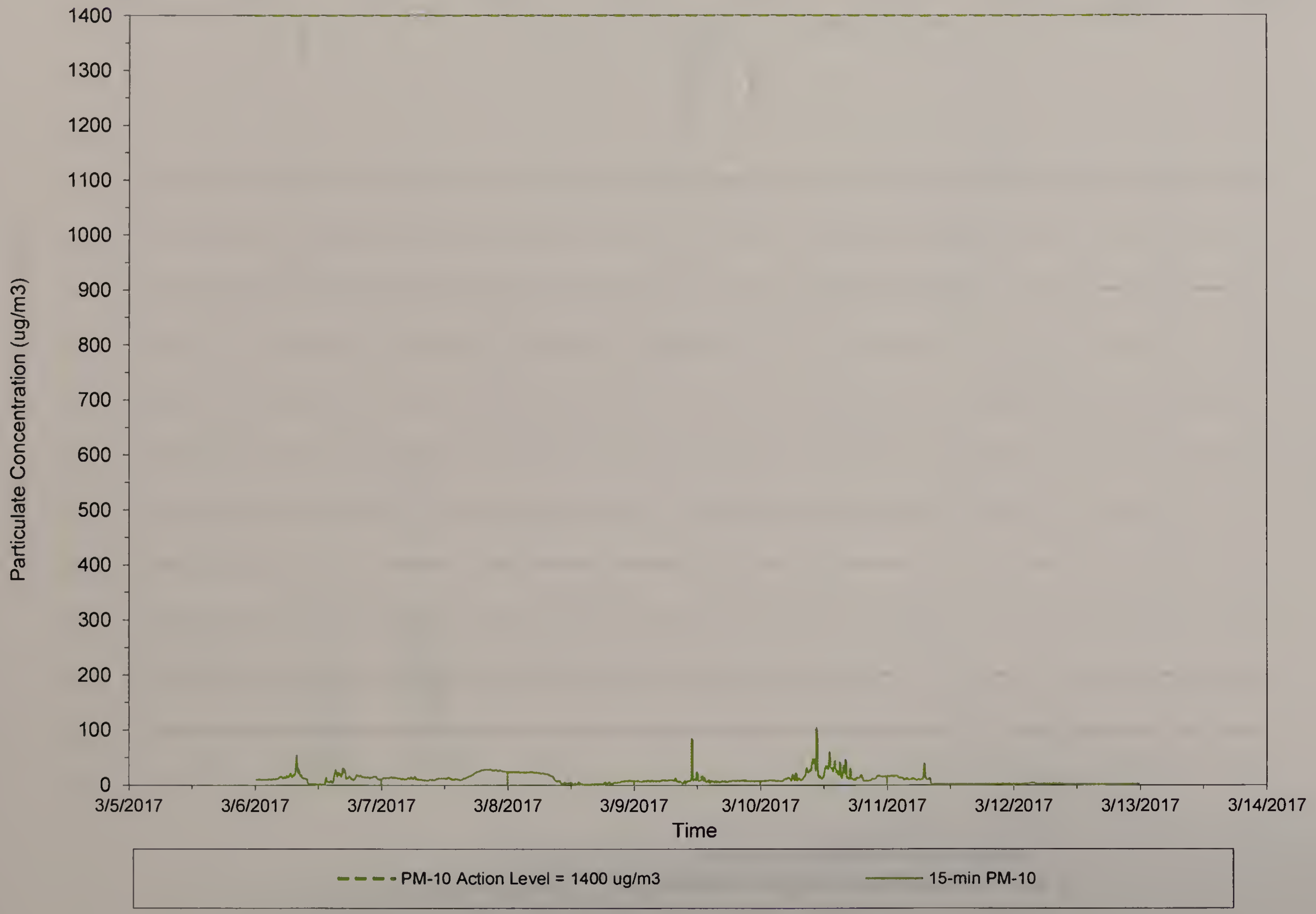
Mar13,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 10.15

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
3/6/2017	54.08
3/7/2017	27.94
3/8/2017	24.00
3/9/2017	83.91
3/10/2017	103.73
3/11/2017	38.99
3/12/2017	3.72

Wind Summary Statistics	
CALM	10%
UW	53%
UW/CW	0%
CW	0%
CW/DW	0%
DW	4%
DW/CW	0%
CW/UW	33%
TOTAL	100%

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

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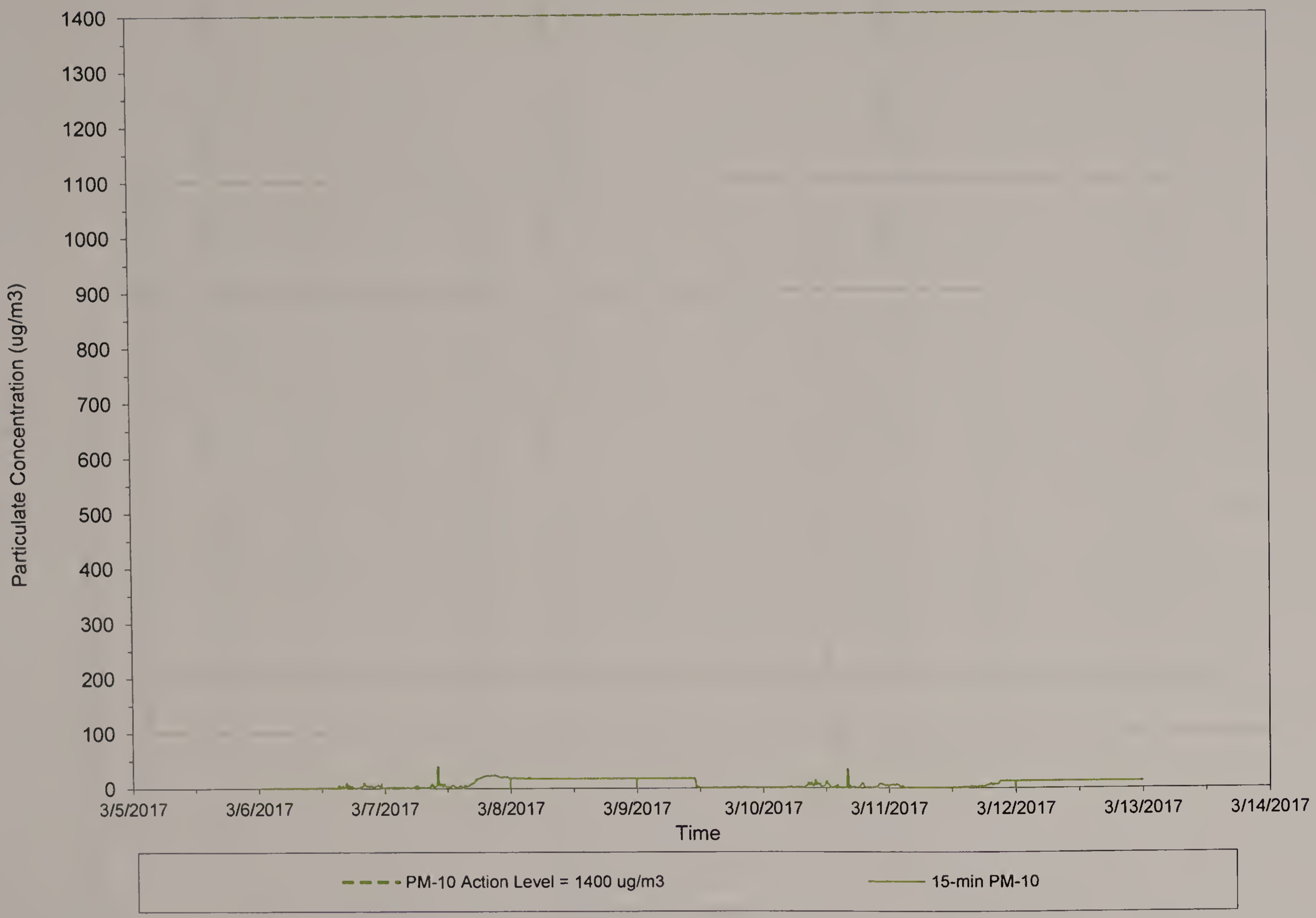
Mar13,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 7.40

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
3/6/2017	10.16
3/7/2017	38.68
3/8/2017	18.90
3/9/2017	16.97
3/10/2017	32.81
3/11/2017	11.96
3/12/2017	11.96

Wind Summary Statistics	
CALM	10%
UW	0%
UW/CW	0%
CW	43%
CW/DW	1%
DW	3%
DW/CW	1%
CW/UW	44%
TOTAL	100%

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AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
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Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

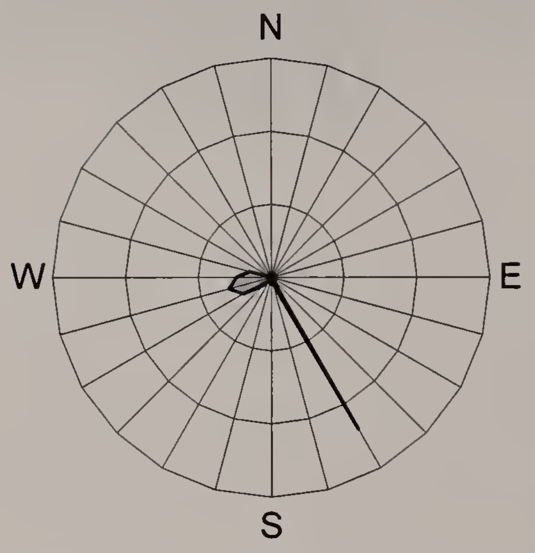


Figure 1. Wind rose for the period 3/6/2017 through 3/12/2017

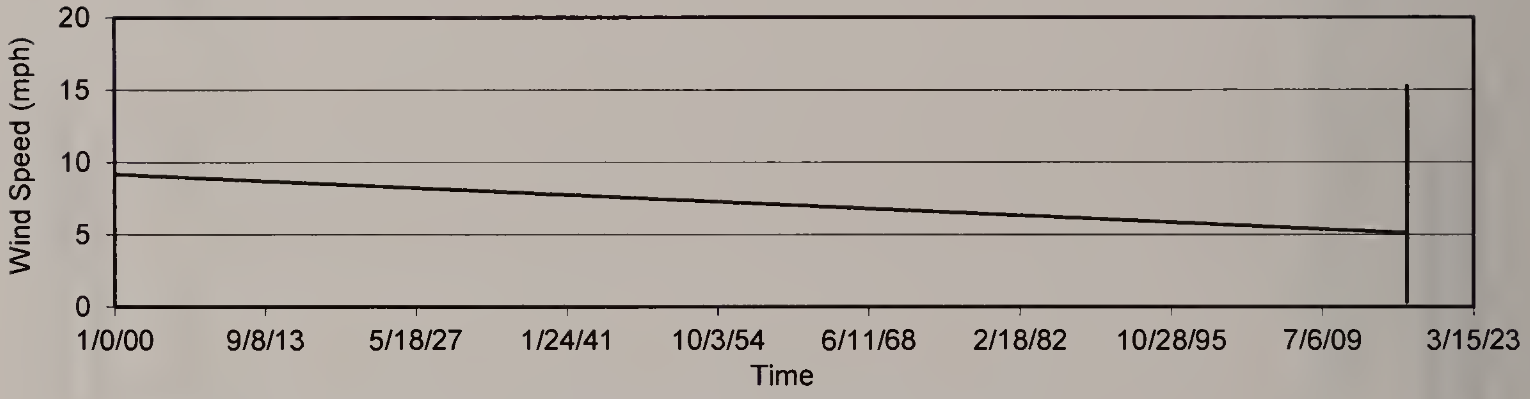


Figure 2. Wind speed for the period 3/6/2017 through 3/12/2017

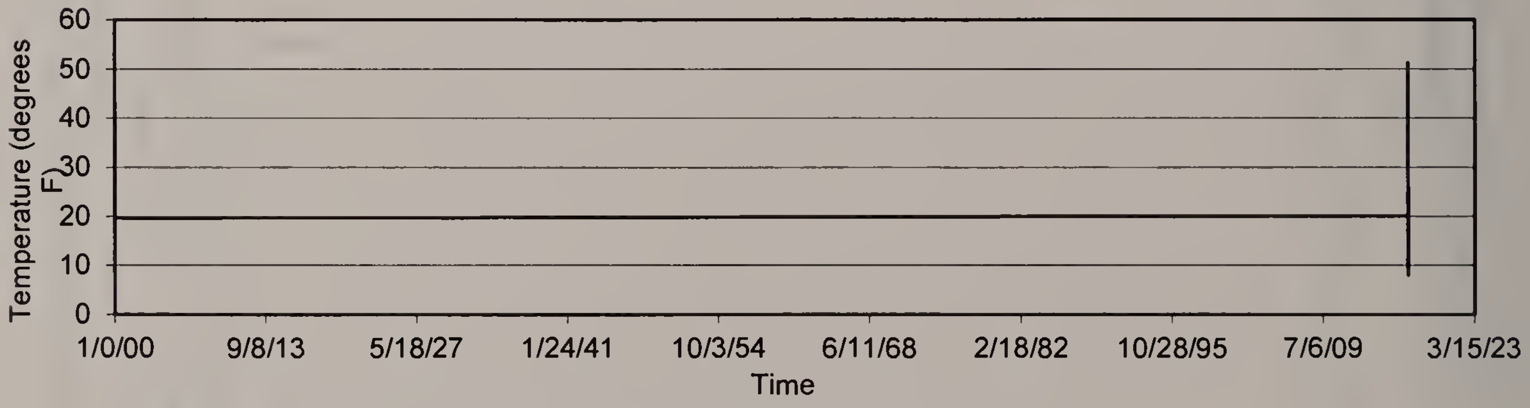


Figure 3. Temperature for the period 3/6/2017 through 3/12/2017

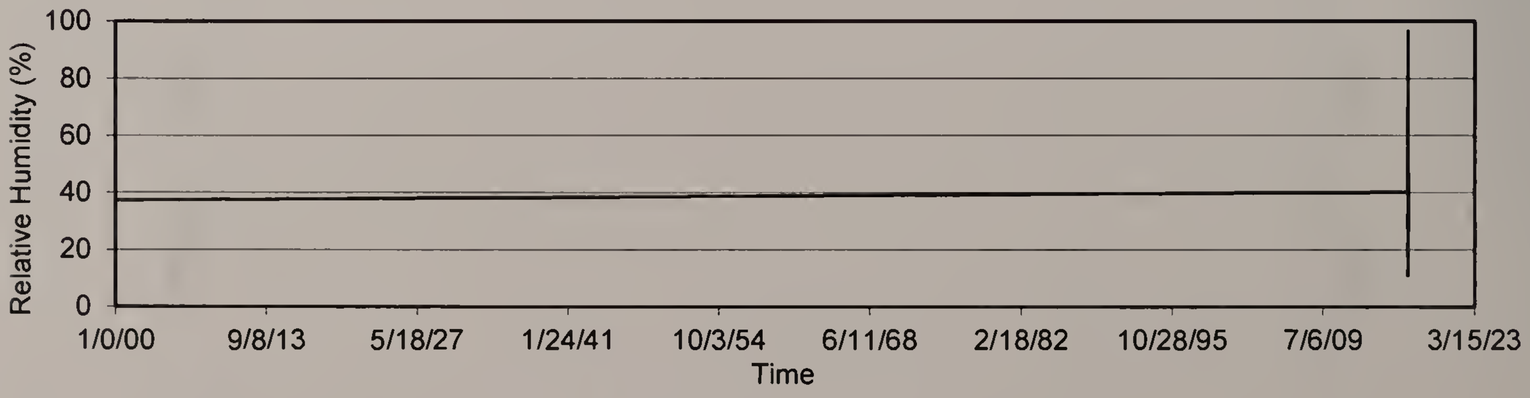


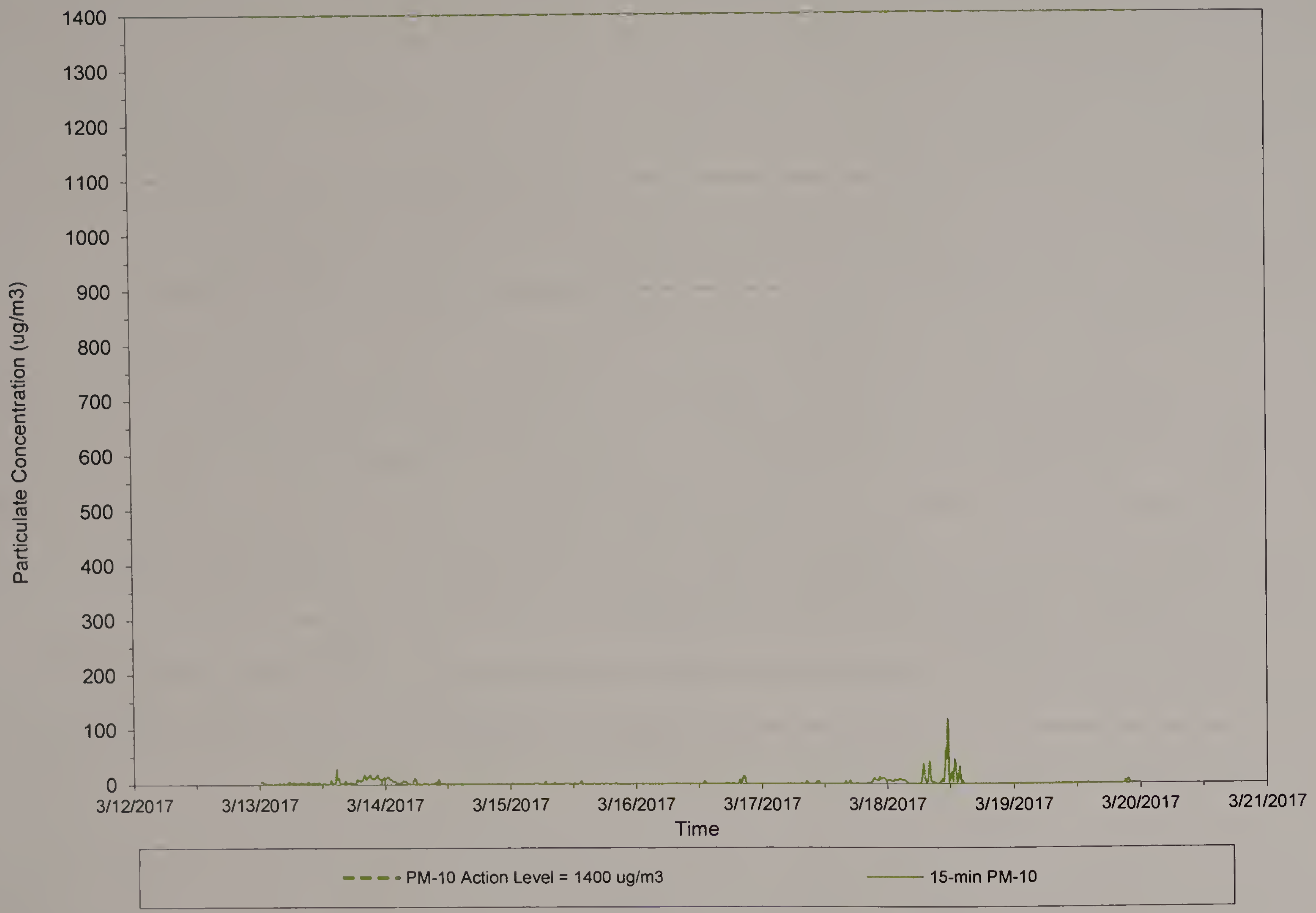
Figure 4. Relative humidity for the period 3/6/2017 through 3/12/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Mar20,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 2.15

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
3/13/2017	26.69
3/14/2017	13.81
3/15/2017	5.02
3/16/2017	13.76
3/17/2017	12.09
3/18/2017	116.98
3/19/2017	7.92

Wind Summary Statistics	
CALM	10%
UW	23%
UW/CW	0%
CW	0%
CW/DW	2%
DW	20%
DW/CW	6%
CW/UW	38%
TOTAL	100%

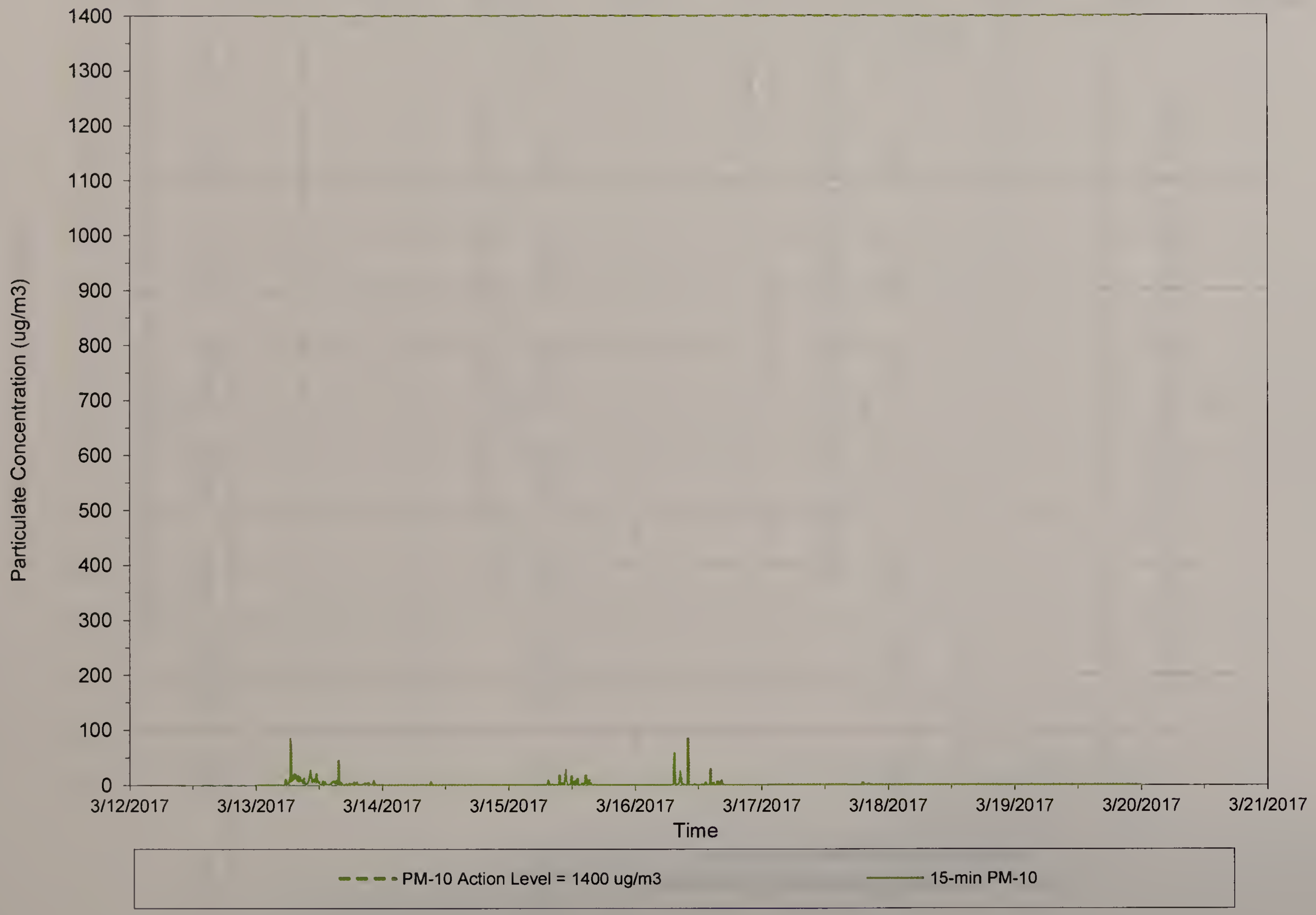
AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\March 2017\STA1_WEEKLYMar17.xls

Mar20,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 1.36

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
3/13/2017	84.15
3/14/2017	5.07
3/15/2017	27.33
3/16/2017	84.45
3/17/2017	3.67
3/18/2017	0.00
3/19/2017	0.00

Wind Summary Statistics

CALM	10%
UW	8%
UW/CW	1%
CW	10%
CW/DW	6%
DW	63%
DW/CW	3%
CW/UW	0%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\March 2017\STA2_WEEKLYMar17.xls

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
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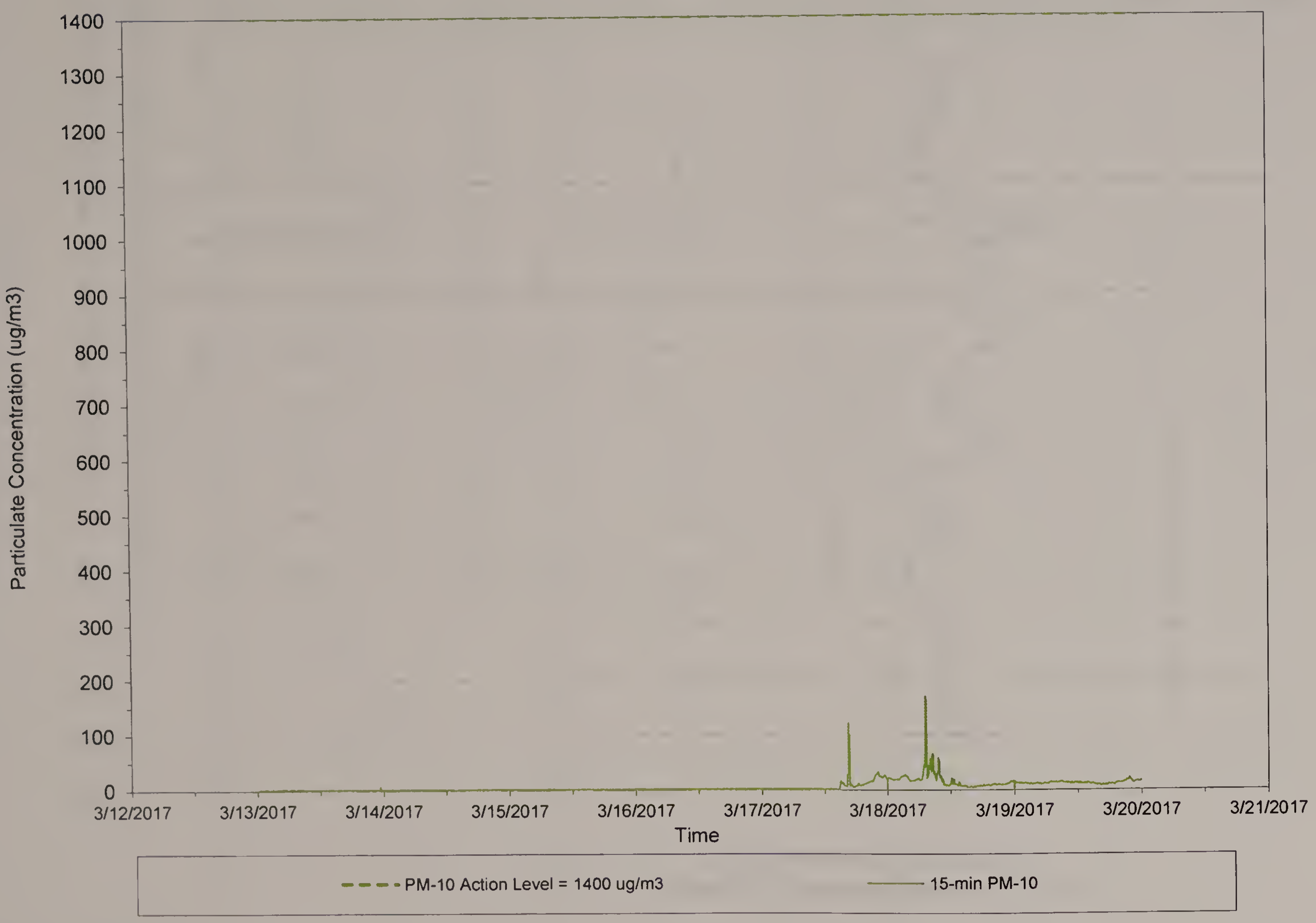
Mar20,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 6.10

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
3/13/2017	6.78
3/14/2017	1.83
3/15/2017	2.71
3/16/2017	2.58
3/17/2017	120.18
3/18/2017	168.98
3/19/2017	20.87

Wind Summary Statistics	
CALM	10%
UW	30%
UW/CW	0%
CW	0%
CW/DW	0%
DW	29%
DW/CW	0%
CW/UW	31%
TOTAL	100%

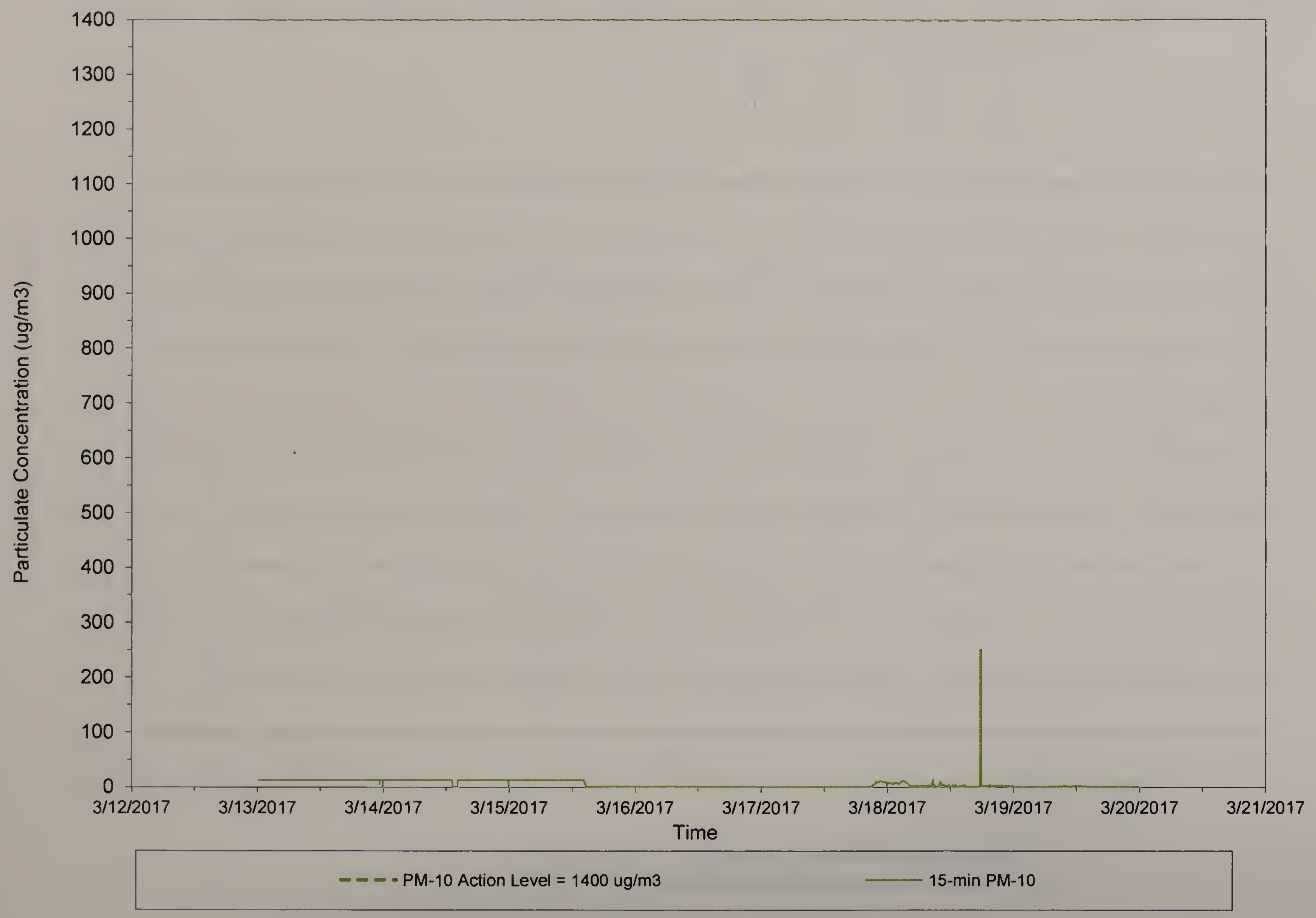
AirLogics, LLC
Perimeter Air Monitoring Systems
Proactive by Design

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\March 2017\STA3_WEEKLYMar17.xls

Mar20,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 5.43

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
3/13/2017	11.96
3/14/2017	11.96
3/15/2017	11.96
3/16/2017	0.92
3/17/2017	10.76
3/18/2017	250.42
3/19/2017	2.27

Wind Summary Statistics	
CALM	10%
UW	0%
UW/CW	0%
CW	42%
CW/DW	2%
DW	4%
DW/CW	0%
CW/UW	41%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\March 2017\STA4_WEEKLYMar17.xls

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Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

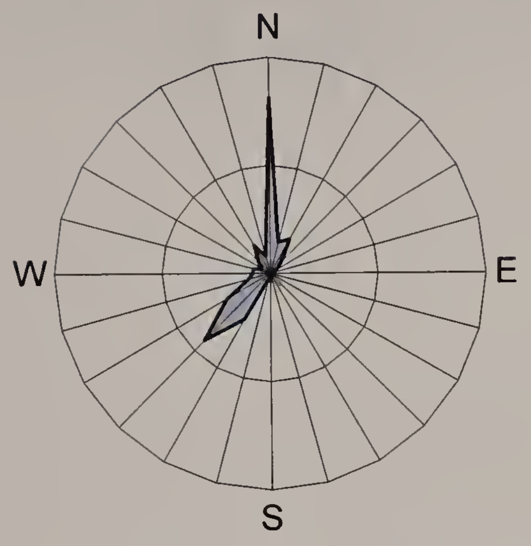


Figure 1. Wind rose for the period 3/13/2017 through 3/19/2017

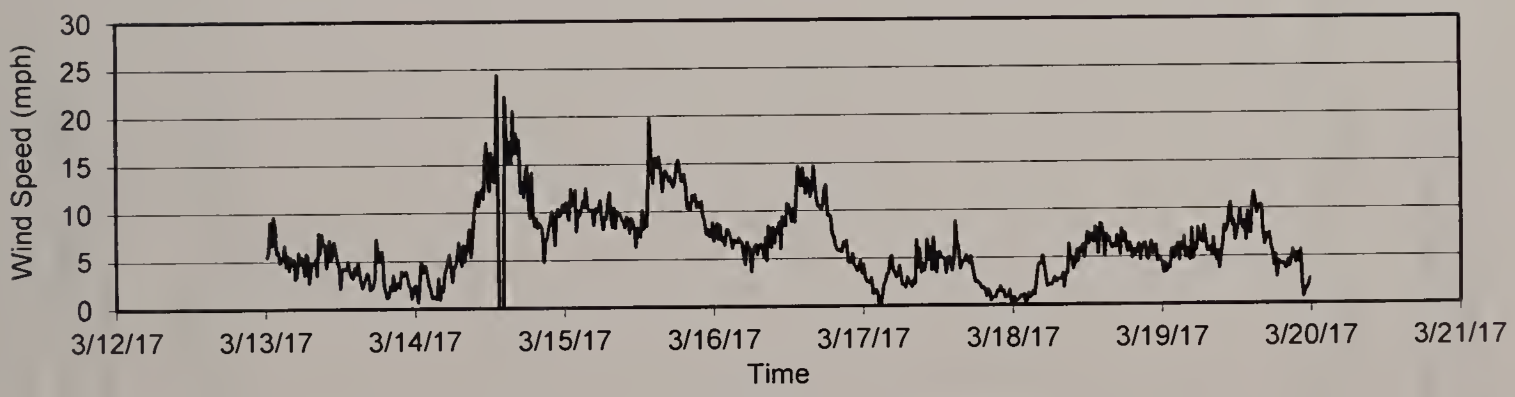


Figure 2. Wind speed for the period 3/13/2017 through 3/19/2017

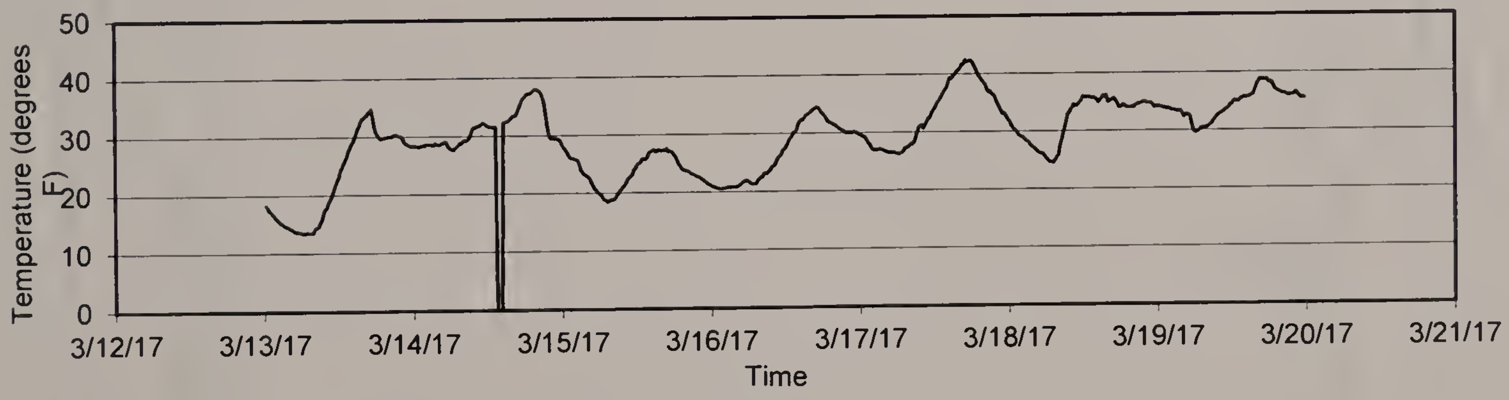


Figure 3. Temperature for the period 3/13/2017 through 3/19/2017

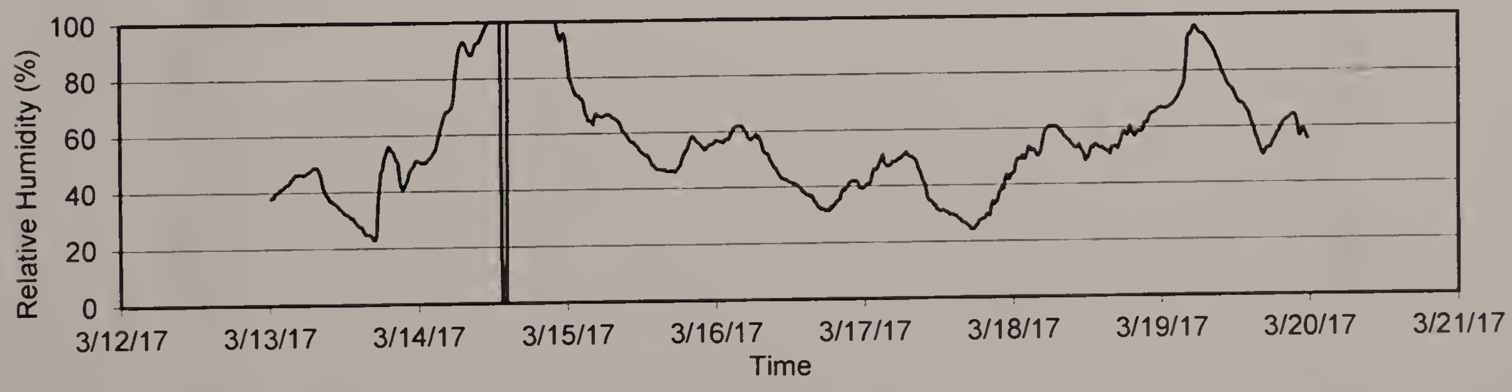


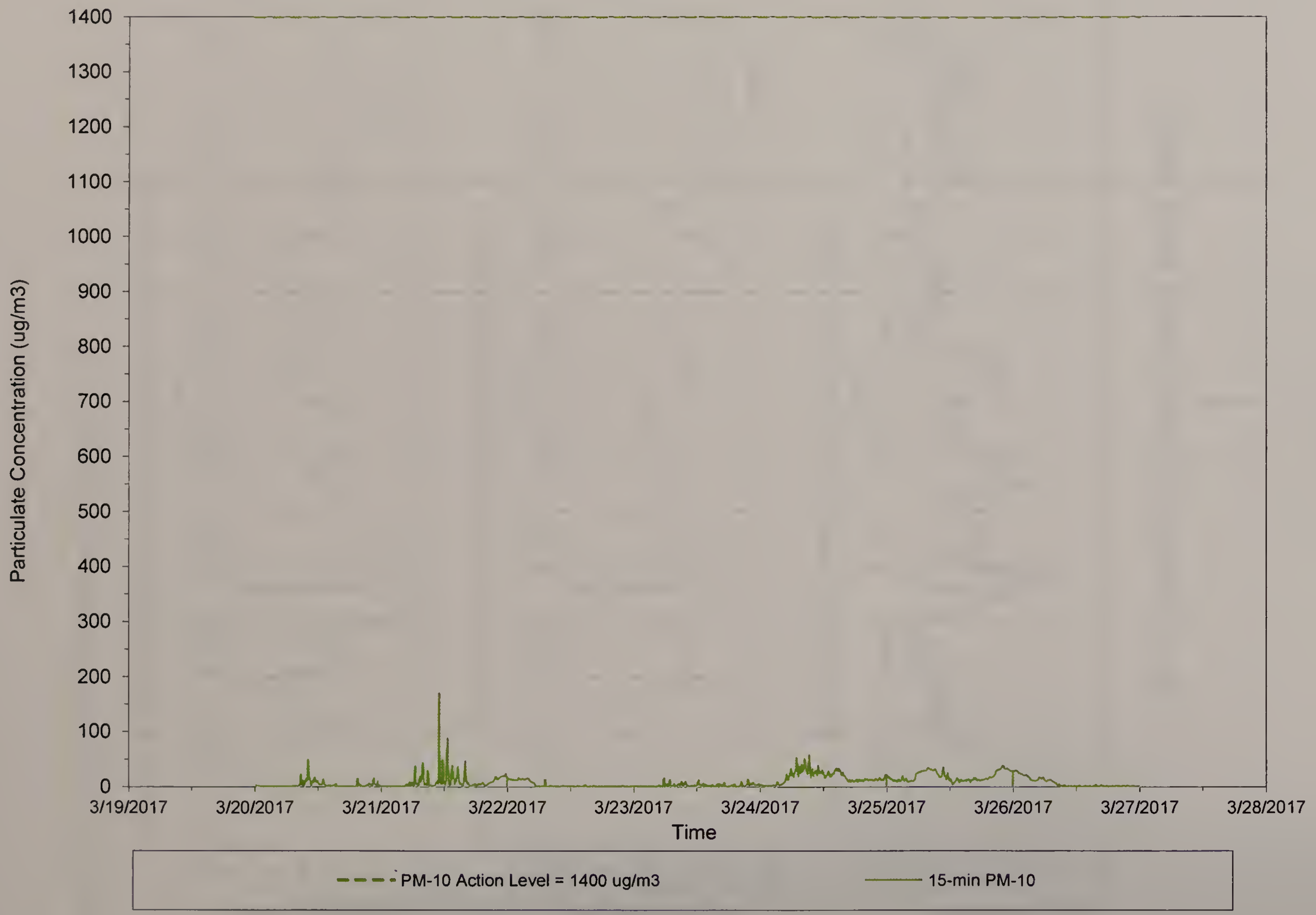
Figure 4. Relative humidity for the period 3/13/2017 through 3/19/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Mar27,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 8.43

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
3/20/2017	47.72
3/21/2017	169.48
3/22/2017	15.75
3/23/2017	15.05
3/24/2017	56.94
3/25/2017	38.35
3/26/2017	29.03

Wind Summary Statistics	
CALM	11%
UW	1%
UW/CW	0%
CW	0%
CW/DW	0%
DW	47%
DW/CW	6%
CW/UW	36%
TOTAL	100%

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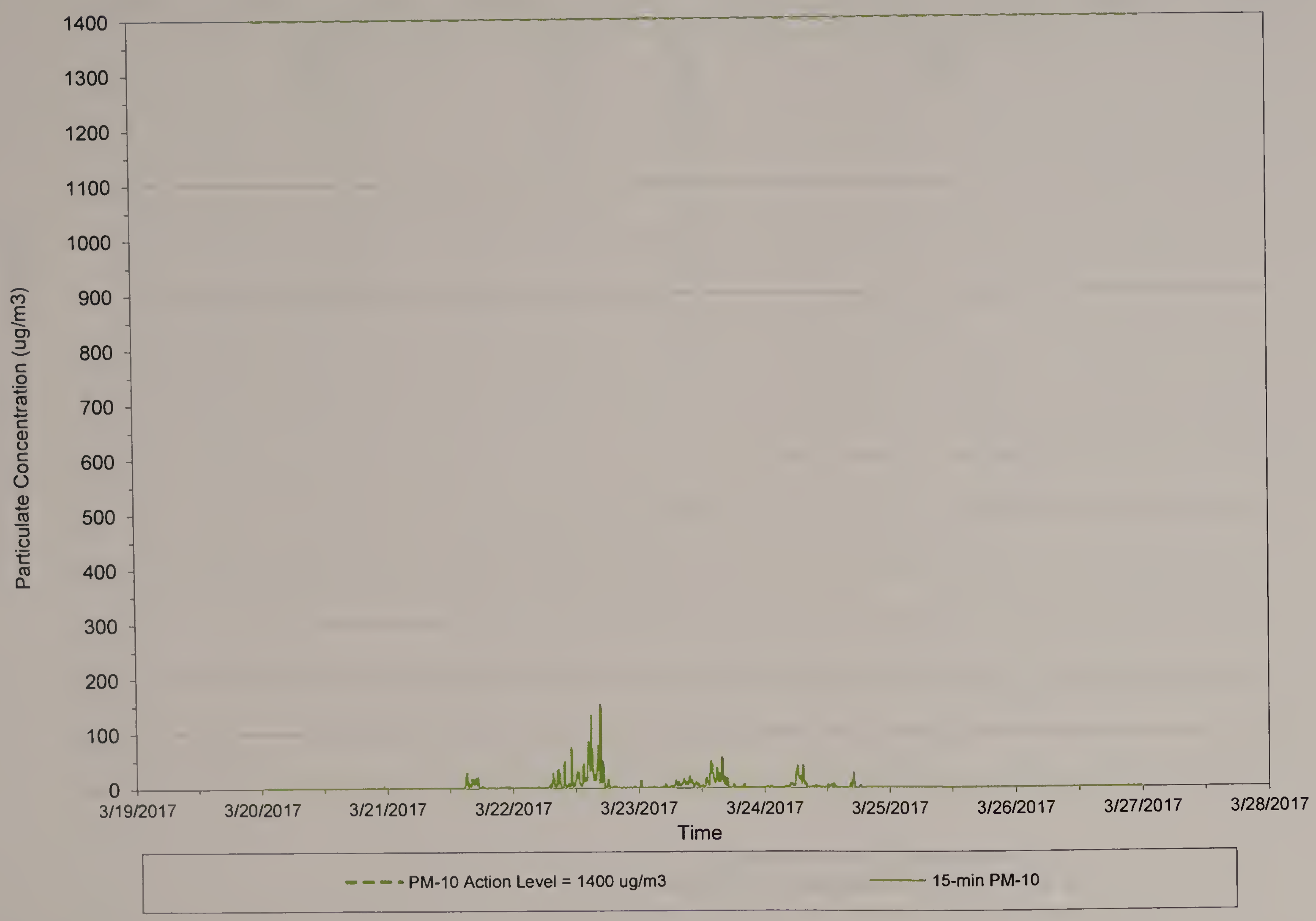
AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 3.18

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
3/20/2017	3.71
3/21/2017	28.03
3/22/2017	152.59
3/23/2017	55.30
3/24/2017	39.96
3/25/2017	0.61
3/26/2017	0.00

Wind Summary Statistics	
CALM	11%
UW	2%
UW/CW	1%
CW	42%
CW/DW	5%
DW	39%
DW/CW	0%
CW/UW	0%
TOTAL	100%

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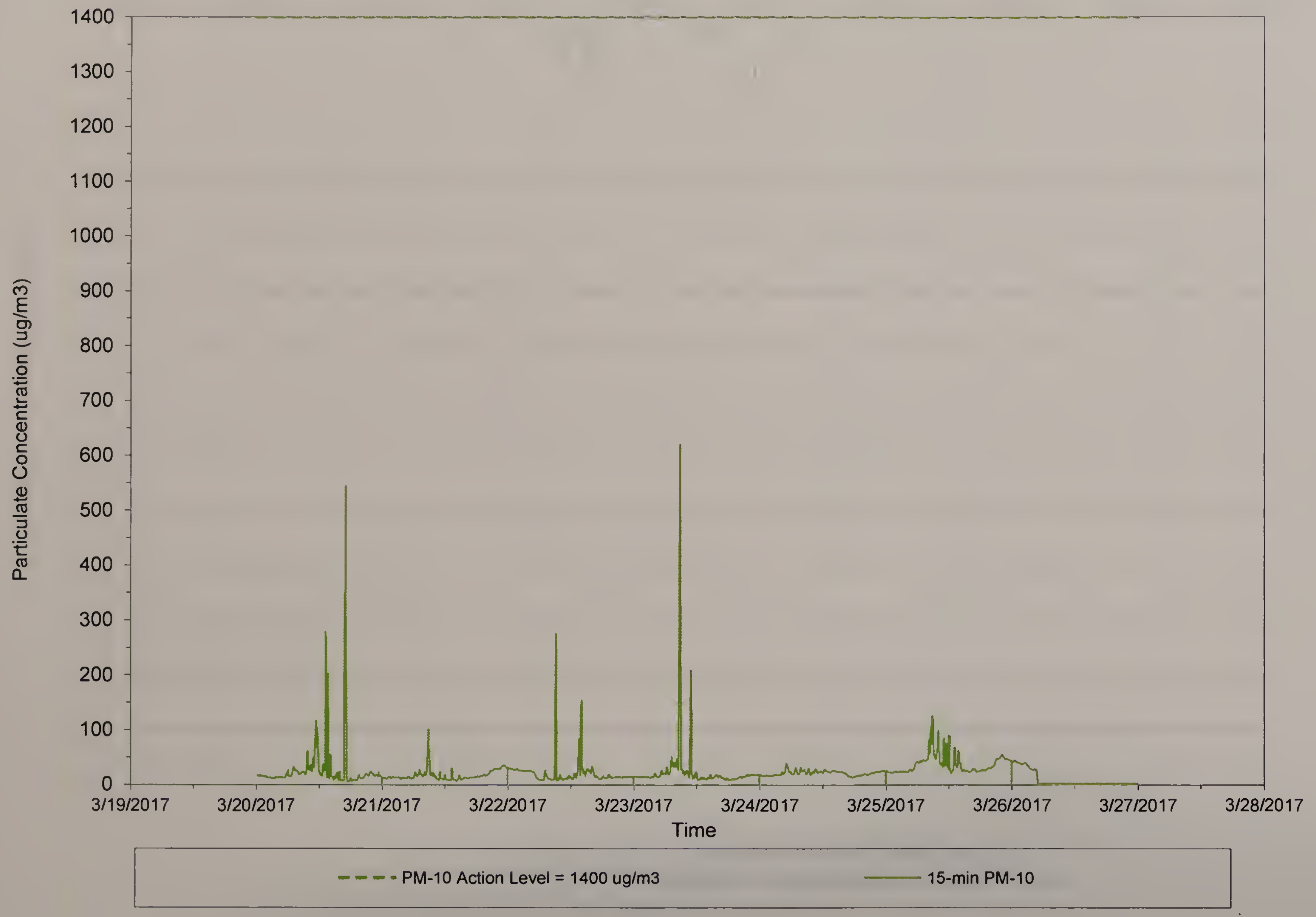
Mar27,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg =	22.68

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
3/20/2017	543.48
3/21/2017	99.96
3/22/2017	274.97
3/23/2017	618.78
3/24/2017	39.01
3/25/2017	124.78
3/26/2017	43.43

Wind Summary Statistics	
CALM	11%
UW	61%
UW/CW	0%
CW	0%
CW/DW	0%
DW	1%
DW/CW	0%
CW/UW	27%
TOTAL	100%

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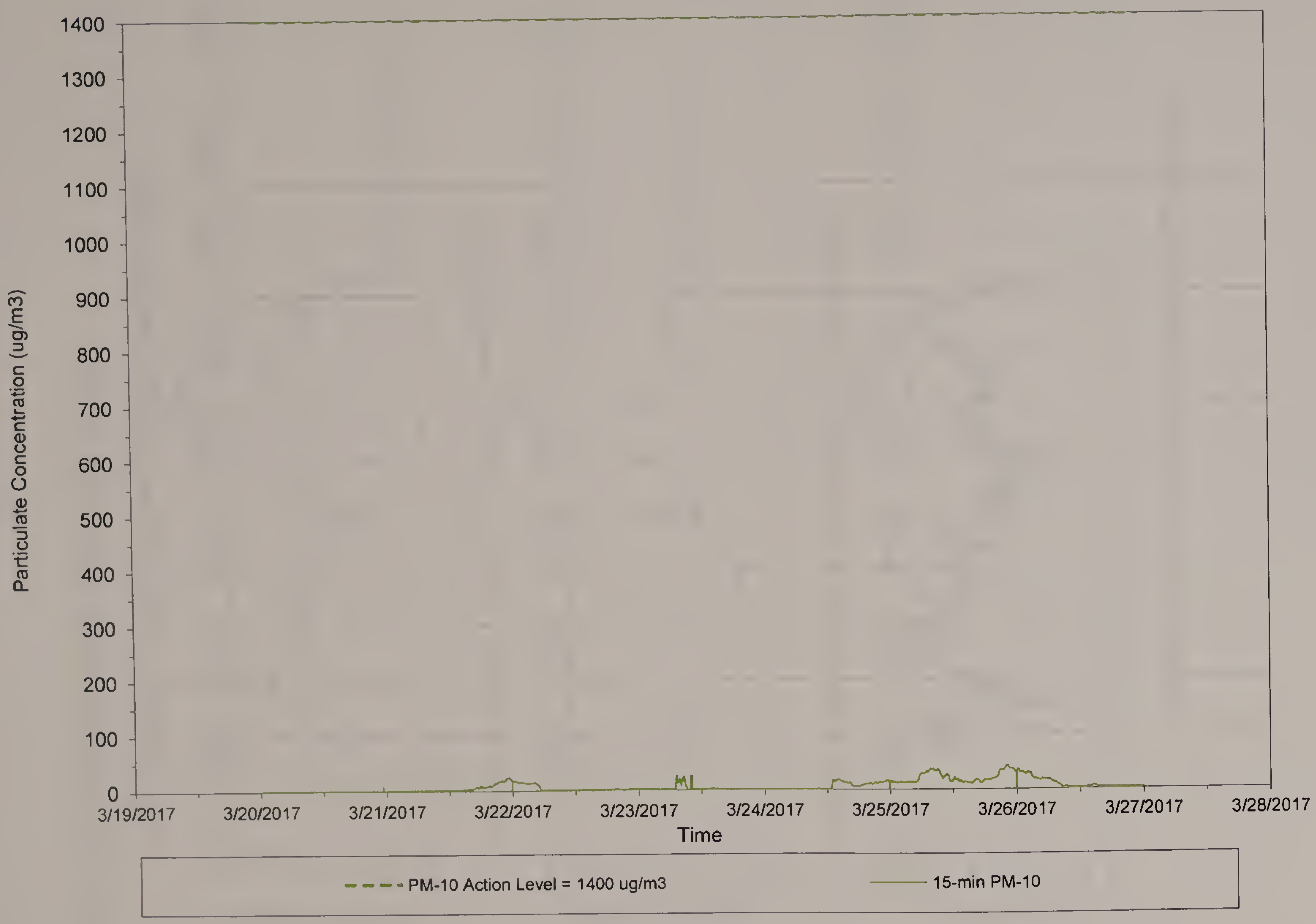
Mar27,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 6.06

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
3/20/2017	7.08
3/21/2017	22.75
3/22/2017	17.59
3/23/2017	26.30
3/24/2017	17.03
3/25/2017	41.91
3/26/2017	35.12

Wind Summary Statistics	
CALM	11%
UW	0%
UW/CW	0%
CW	50%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	39%
TOTAL	100%

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Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

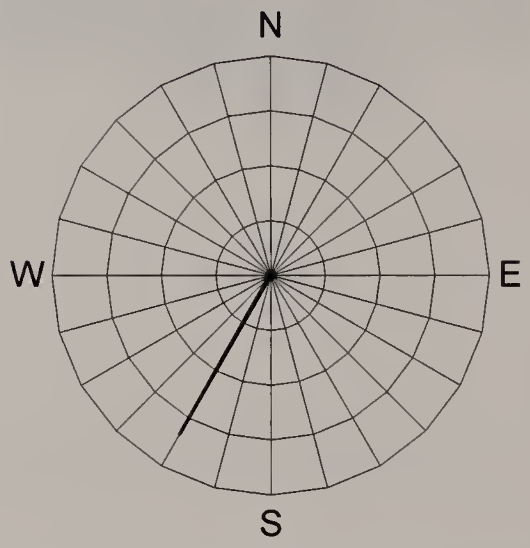


Figure 1. Wind rose for the period 3/20/2017 through 3/26/2017

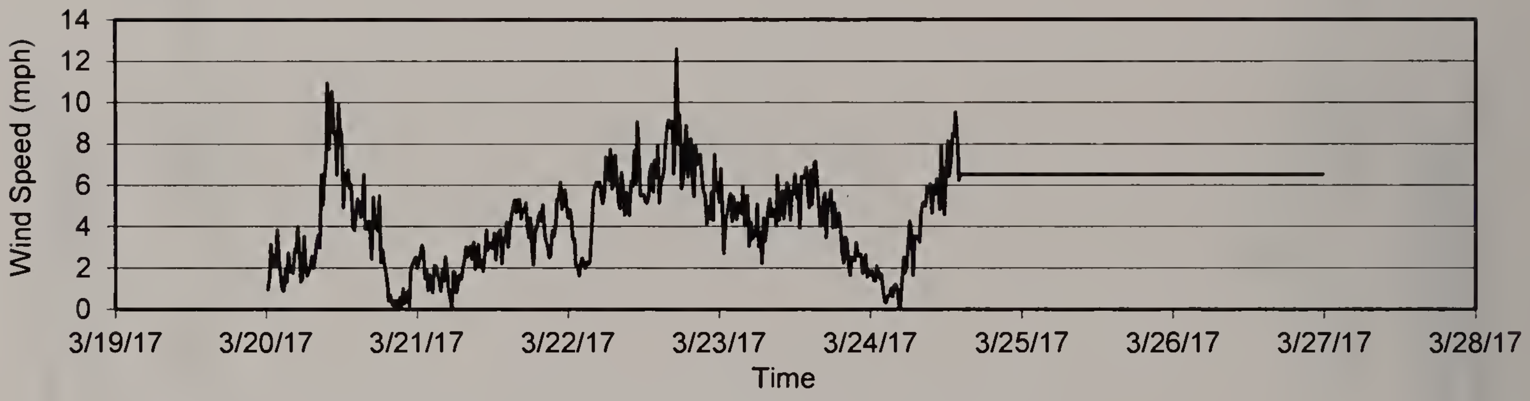


Figure 2. Wind speed for the period 3/20/2017 through 3/26/2017

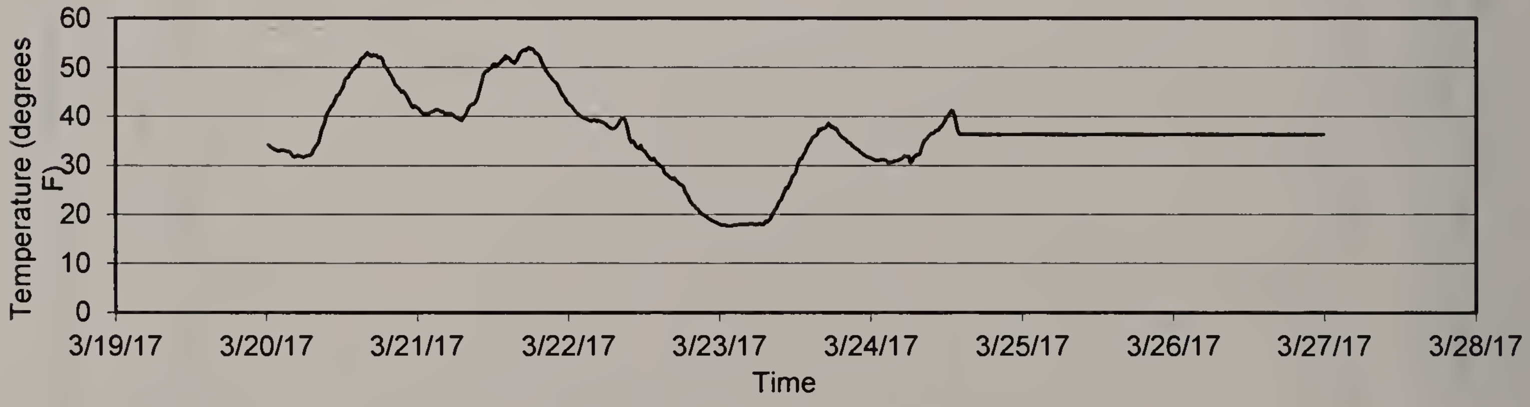


Figure 3. Temperature for the period 3/20/2017 through 3/26/2017

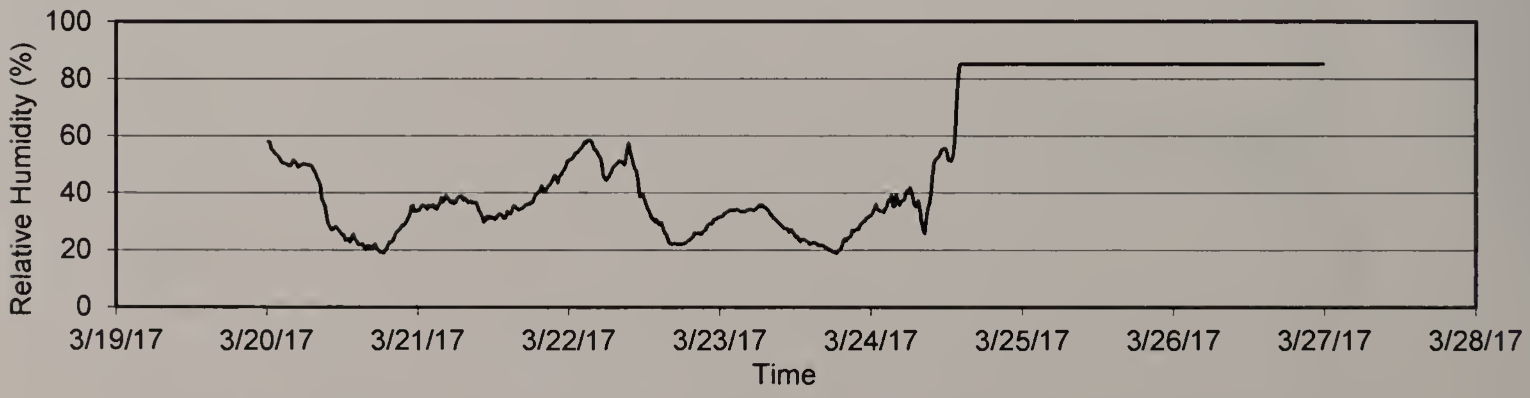


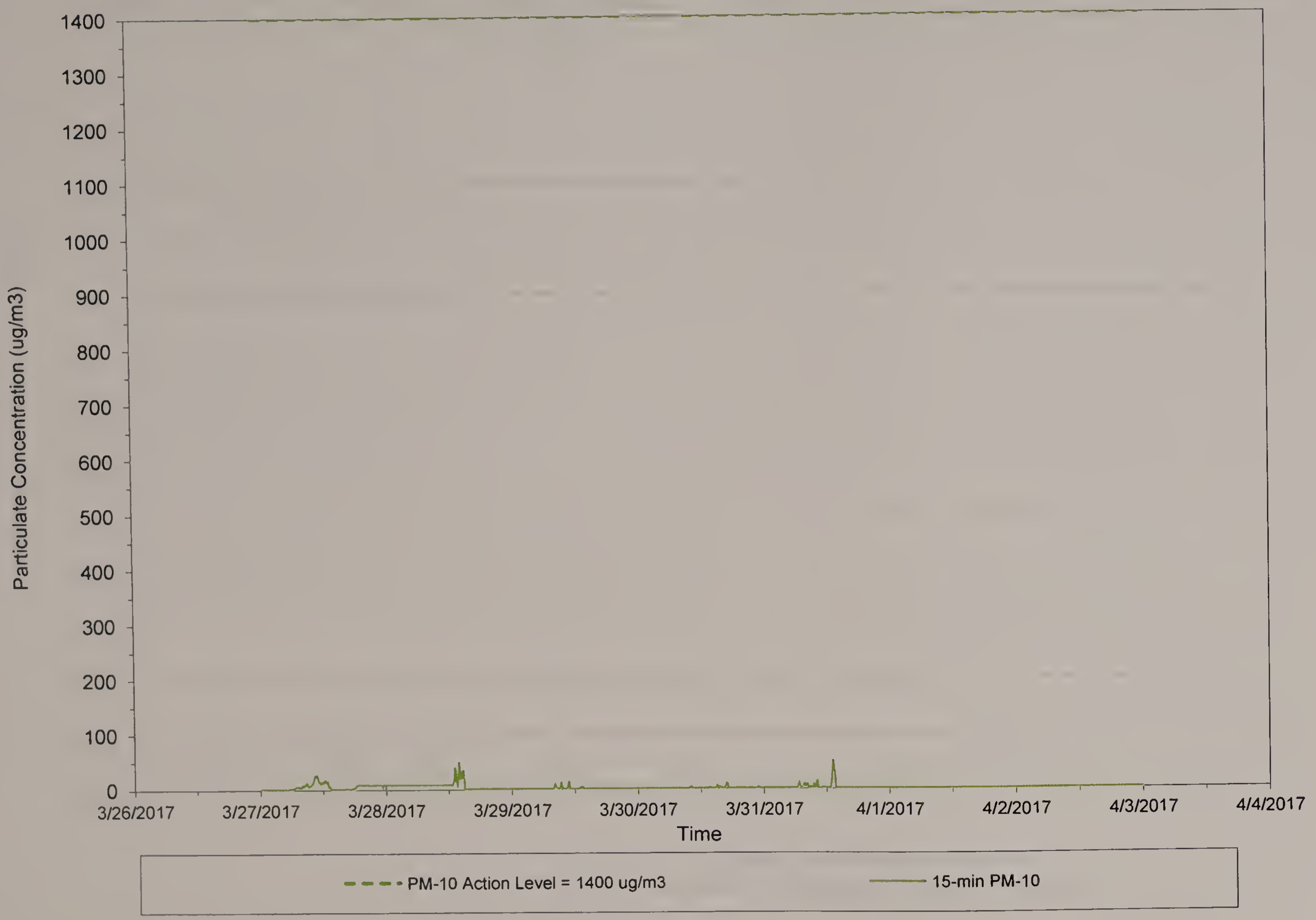
Figure 4. Relative humidity for the period 3/20/2017 through 3/26/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Apr03,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 1.97

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
3/27/2017	26.25
3/28/2017	48.10
3/29/2017	12.98
3/30/2017	9.39
3/31/2017	50.26
4/1/2017	0.00
4/2/2017	0.00

Wind Summary Statistics	
CALM	3%
UW	58%
UW/CW	0%
CW	0%
CW/DW	0%
DW	35%
DW/CW	0%
CW/UW	4%
TOTAL	100%

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PERIMETER AIR MONITORING SYSTEMS
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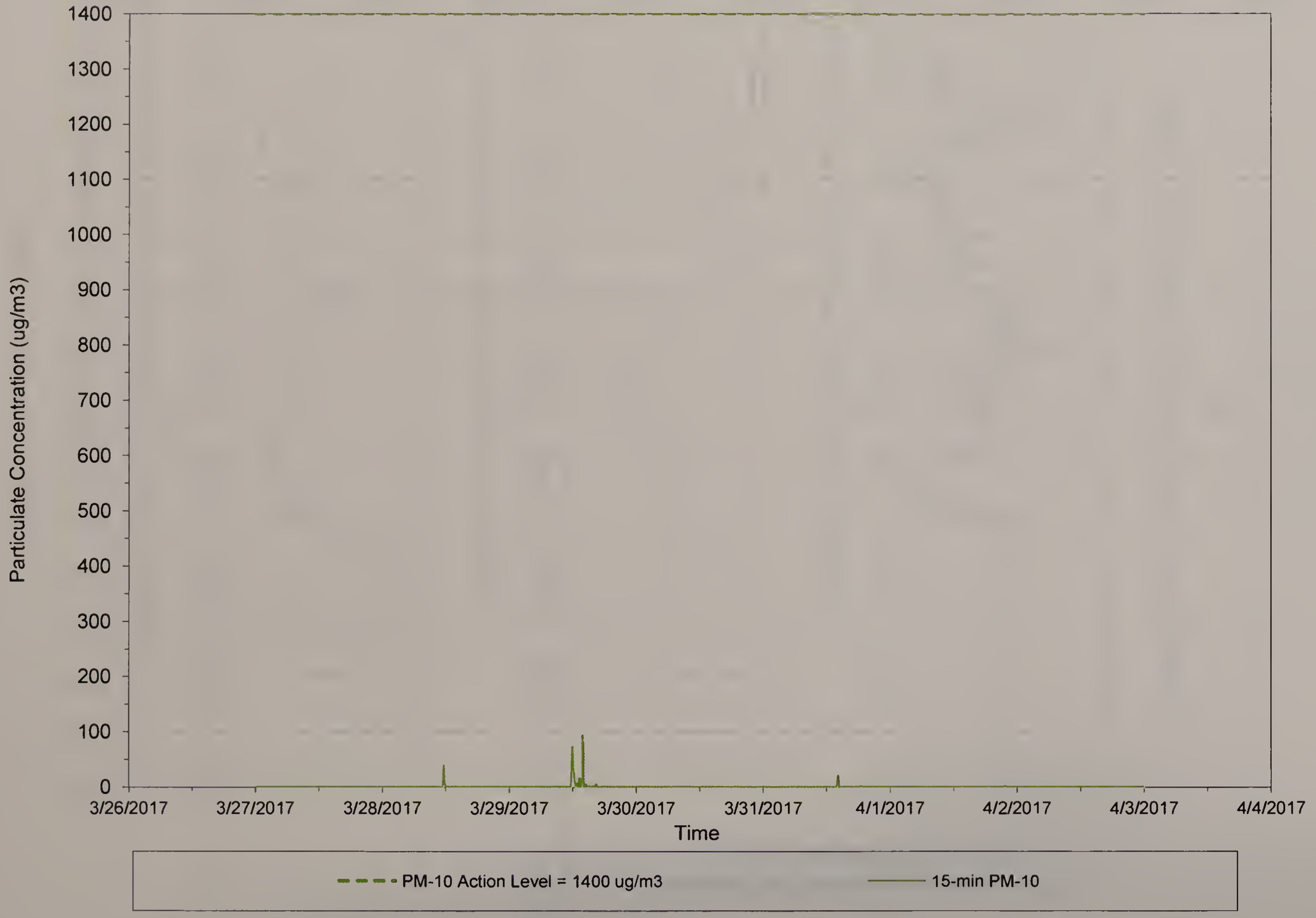
Apr03,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.47

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
3/27/2017	0.55
3/28/2017	38.56
3/29/2017	93.20
3/30/2017	0.00
3/31/2017	20.68
4/1/2017	0.78
4/2/2017	0.15

Wind Summary Statistics	
CALM	3%
UW	0%
UW/CW	0%
CW	35%
CW/DW	0%
DW	62%
DW/CW	0%
CW/UW	0%
TOTAL	100%

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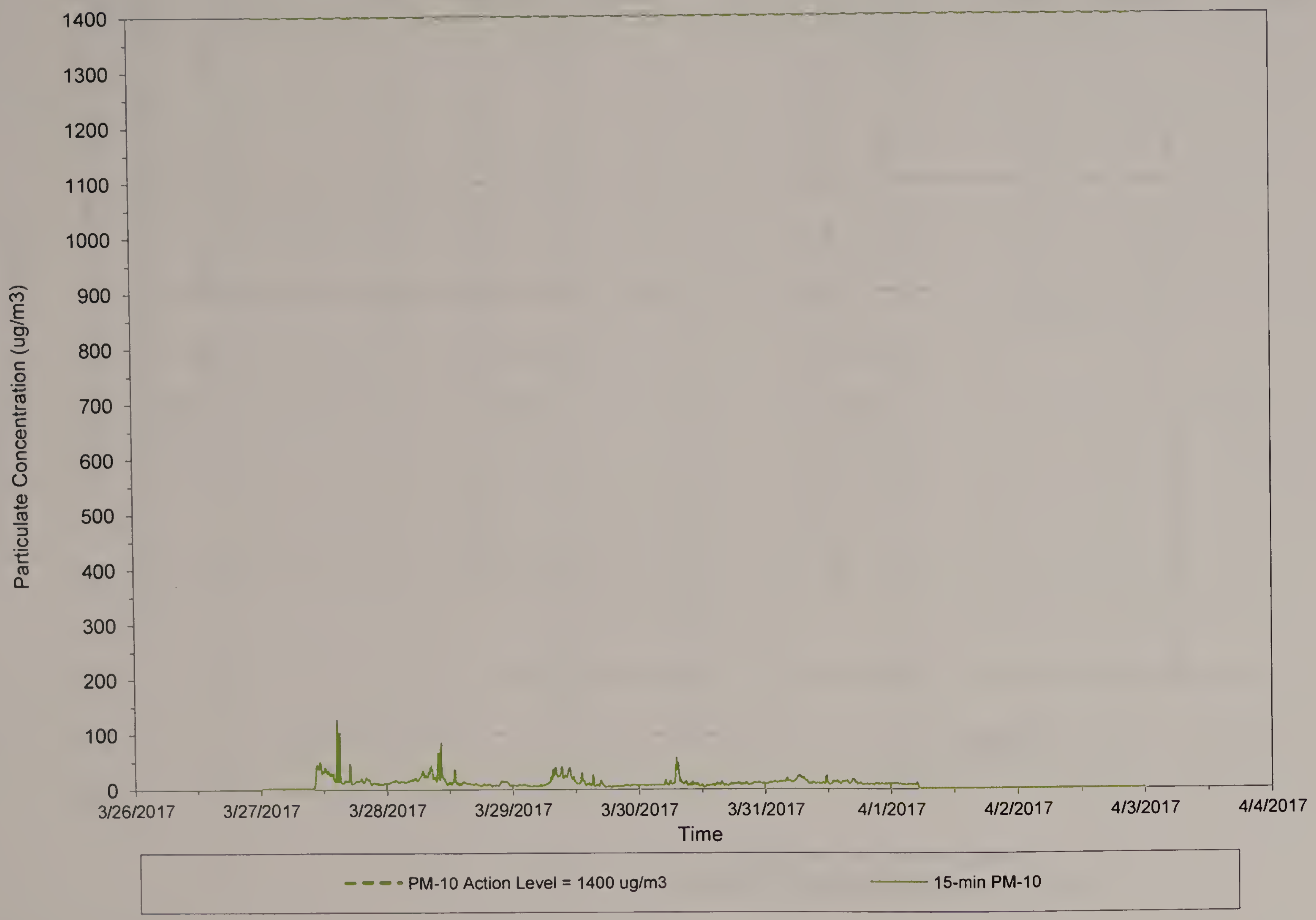
Apr03,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly

Data Summary Statistics	
PM-10 Avg =	8.53

Daily

Data Summary Statistics	
PM10 max=	(15Min Avg)
3/27/2017	126.14
3/28/2017	83.73
3/29/2017	39.53
3/30/2017	55.69
3/31/2017	23.88
4/1/2017	9.88
4/2/2017	0.00

Wind Summary Statistics	
CALM	3%
UW	36%
UW/CW	0%
CW	0%
CW/DW	0%
DW	58%
DW/CW	0%
CW/UW	4%
TOTAL	100%

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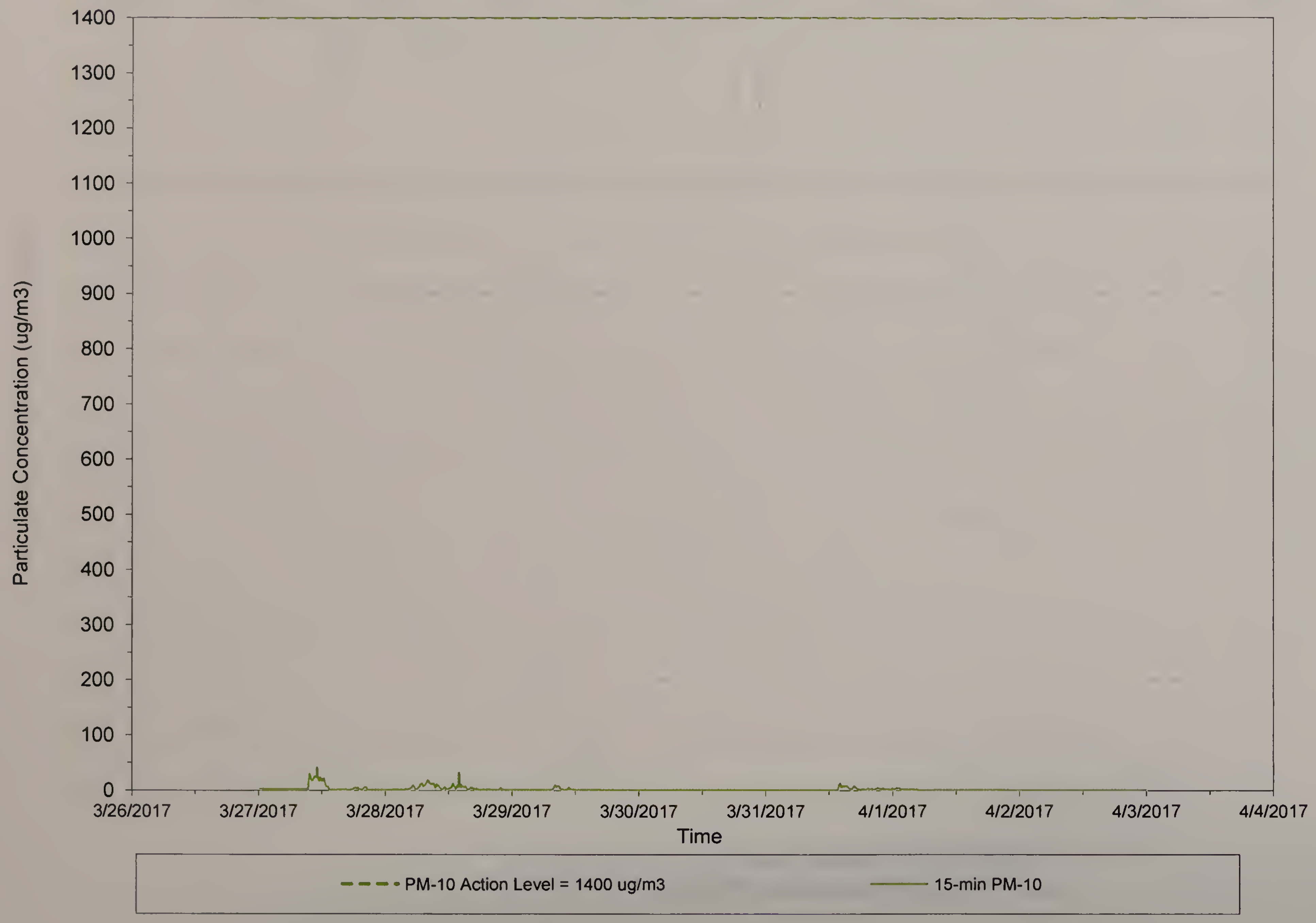
Apr03,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 1.36

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
3/27/2017	40.47
3/28/2017	31.28
3/29/2017	7.97
3/30/2017	0.00
3/31/2017	11.65
4/1/2017	3.60
4/2/2017	0.00

Wind Summary Statistics	
CALM	3%
UW	0%
UW/CW	0%
CW	93%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	5%
TOTAL	100%

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PERIMETER AIR MONITORING SYSTEMS
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Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

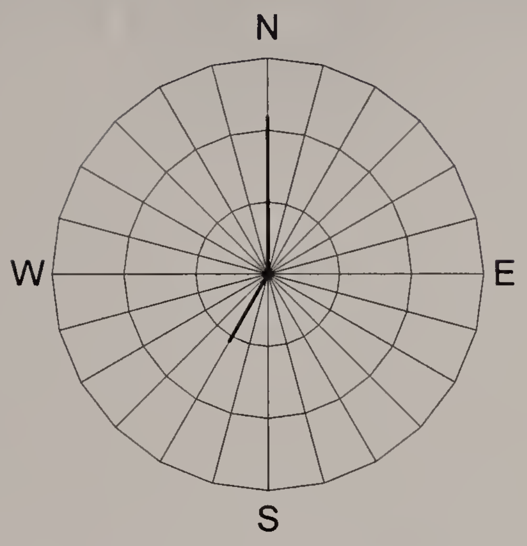


Figure 1. Wind rose for the period 3/27/2017 through 4/2/2017

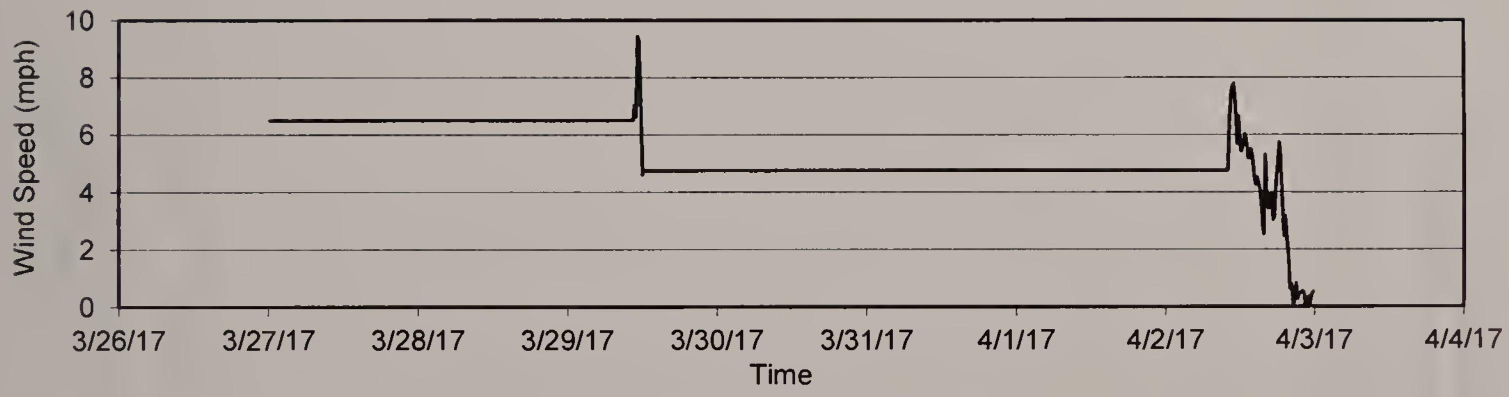


Figure 2. Wind speed for the period 3/27/2017 through 4/2/2017

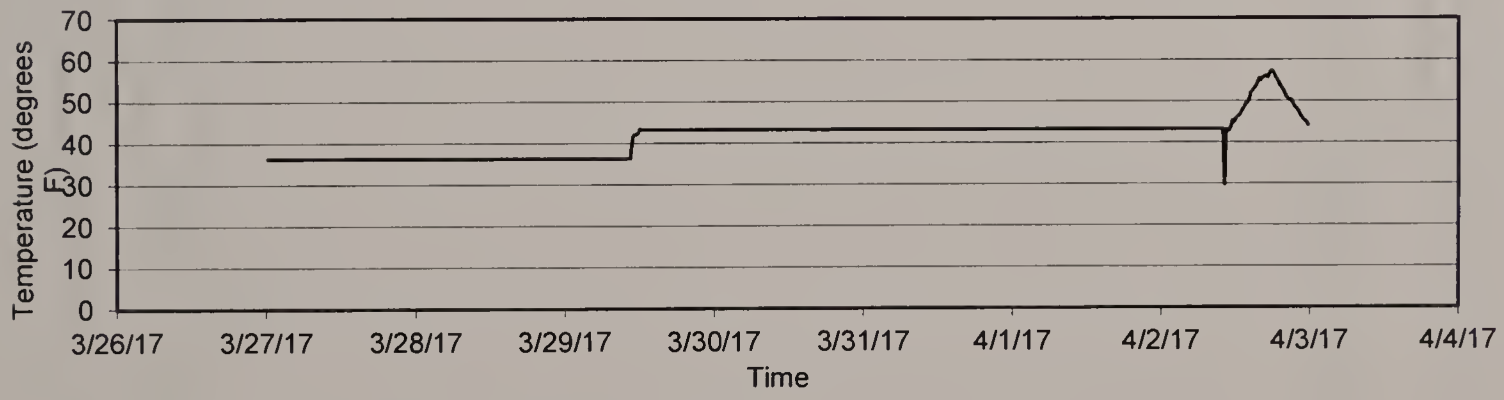


Figure 3. Temperature for the period 3/27/2017 through 4/2/2017

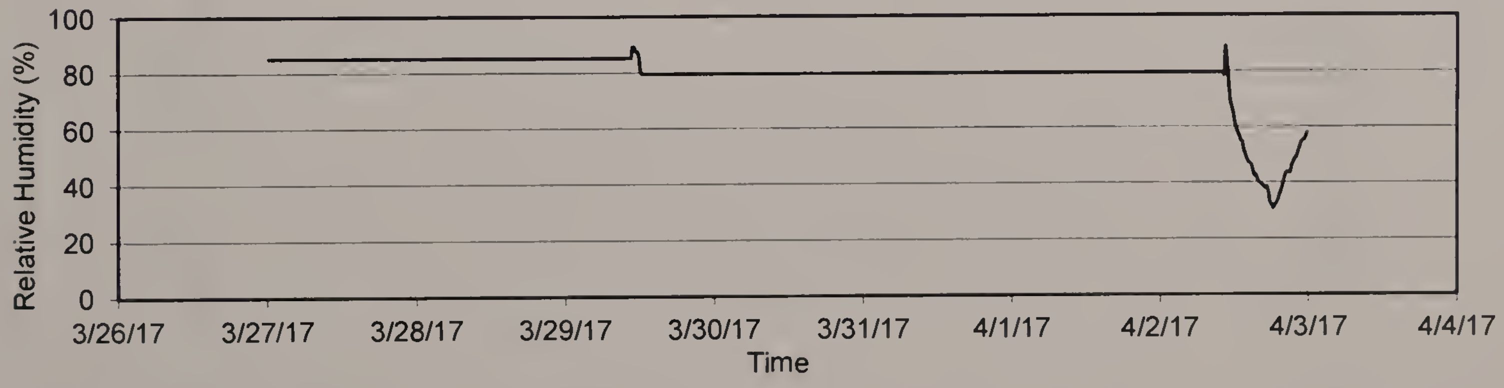


Figure 4. Relative humidity for the period 3/27/2017 through 4/2/2017

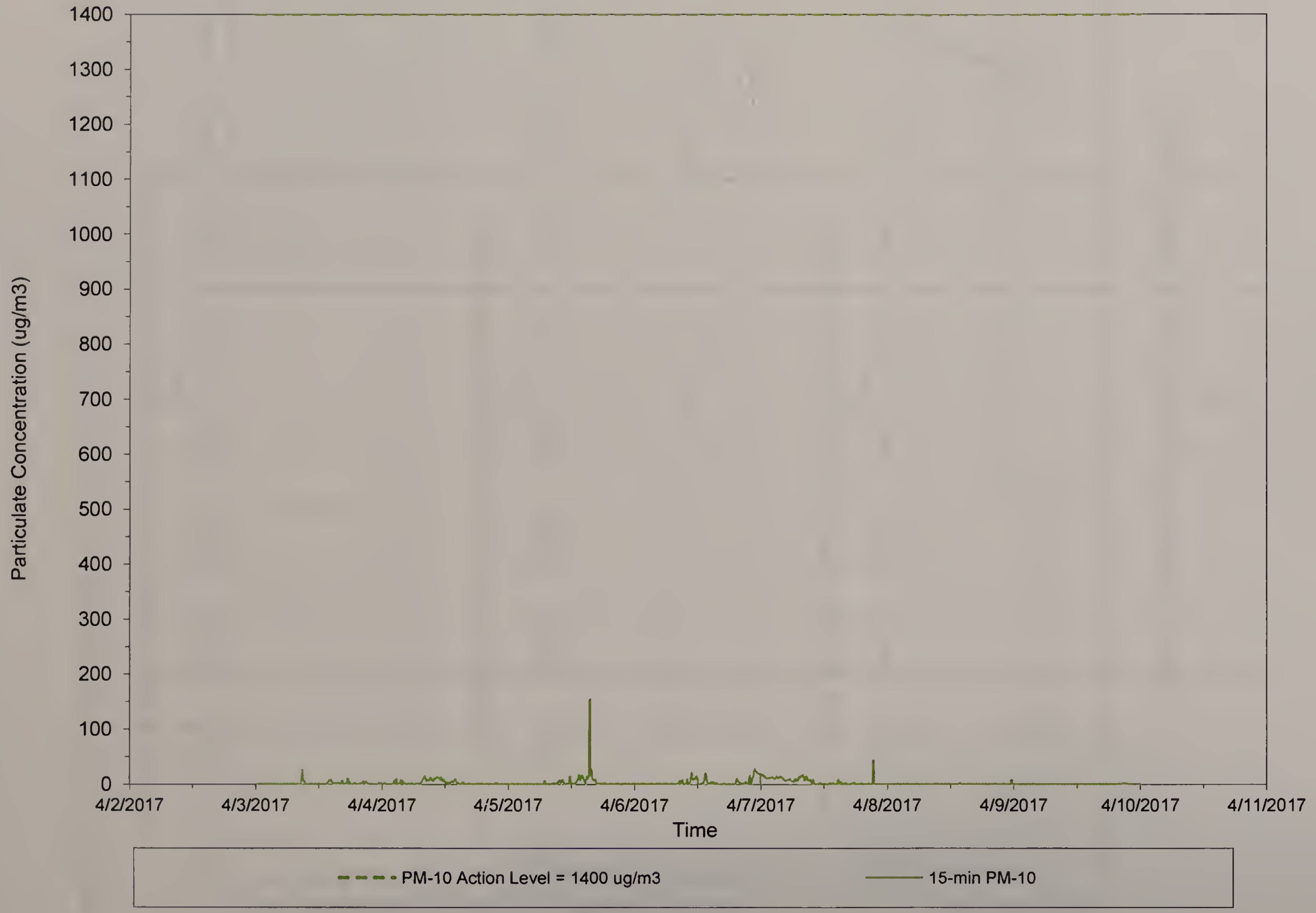
Note: Data are 15-minute averages collected at the Wynn Everett Site.

Apr10,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1

15-minute average concentrations



Weekly

Data Summary Statistics

PM-10 Avg = 2.39

Daily

Data Summary Statistics

PM10 max=	(15Min Avg)
4/3/2017	25.76
4/4/2017	15.06
4/5/2017	154.71
4/6/2017	27.64
4/7/2017	42.55
4/8/2017	7.73
4/9/2017	1.95

Wind Summary Statistics	
CALM	5%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	4%
DW/CW	13%
CW/UW	78%
TOTAL	100%

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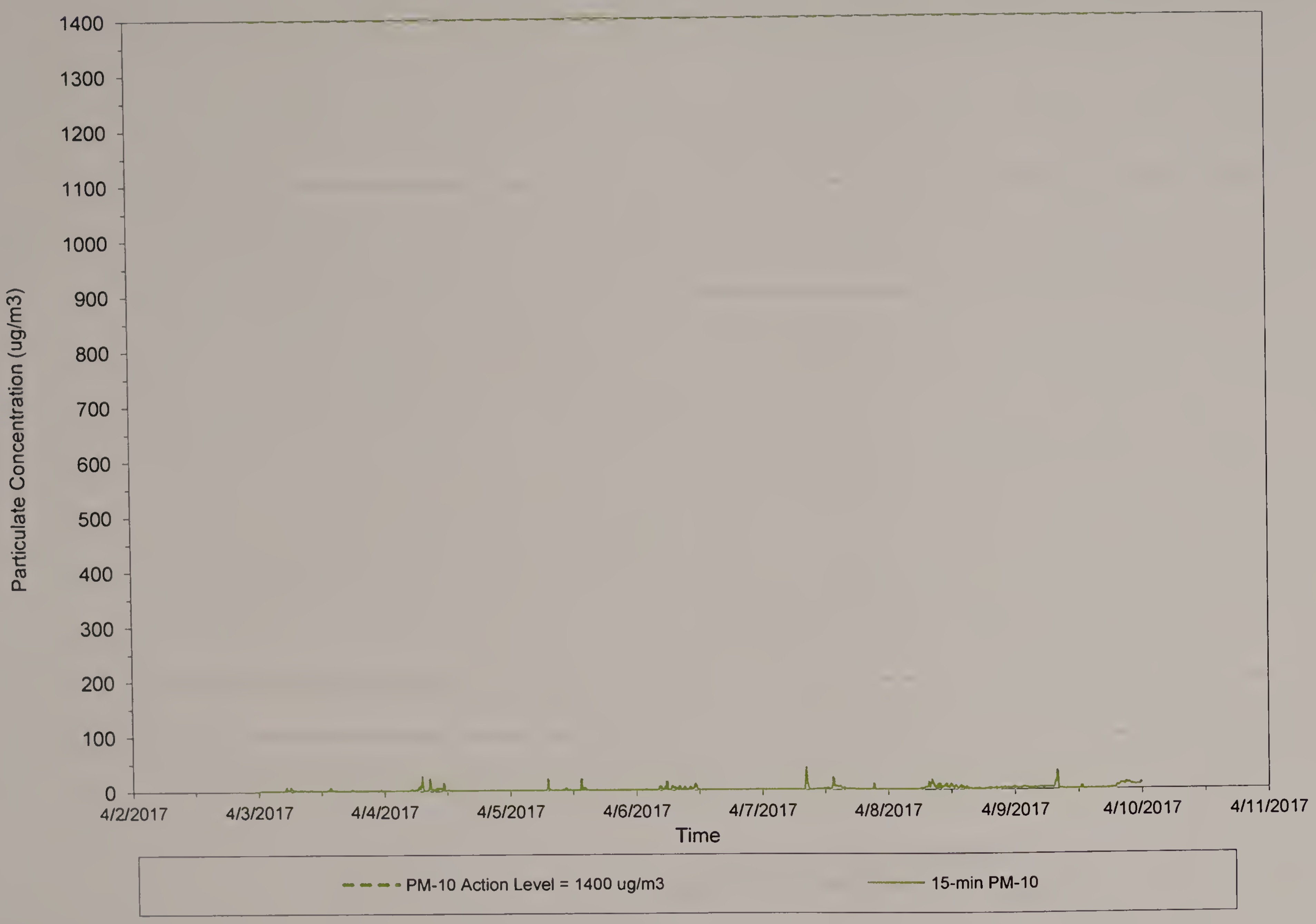
Apr10,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 1.54

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
4/3/2017	7.54
4/4/2017	26.26
4/5/2017	20.62
4/6/2017	14.83
4/7/2017	39.81
4/8/2017	17.43
4/9/2017	33.22

Wind Summary Statistics	
CALM	5%
UW	0%
UW/CW	0%
CW	3%
CW/DW	12%
DW	80%
DW/CW	0%
CW/UW	0%
TOTAL	100%

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
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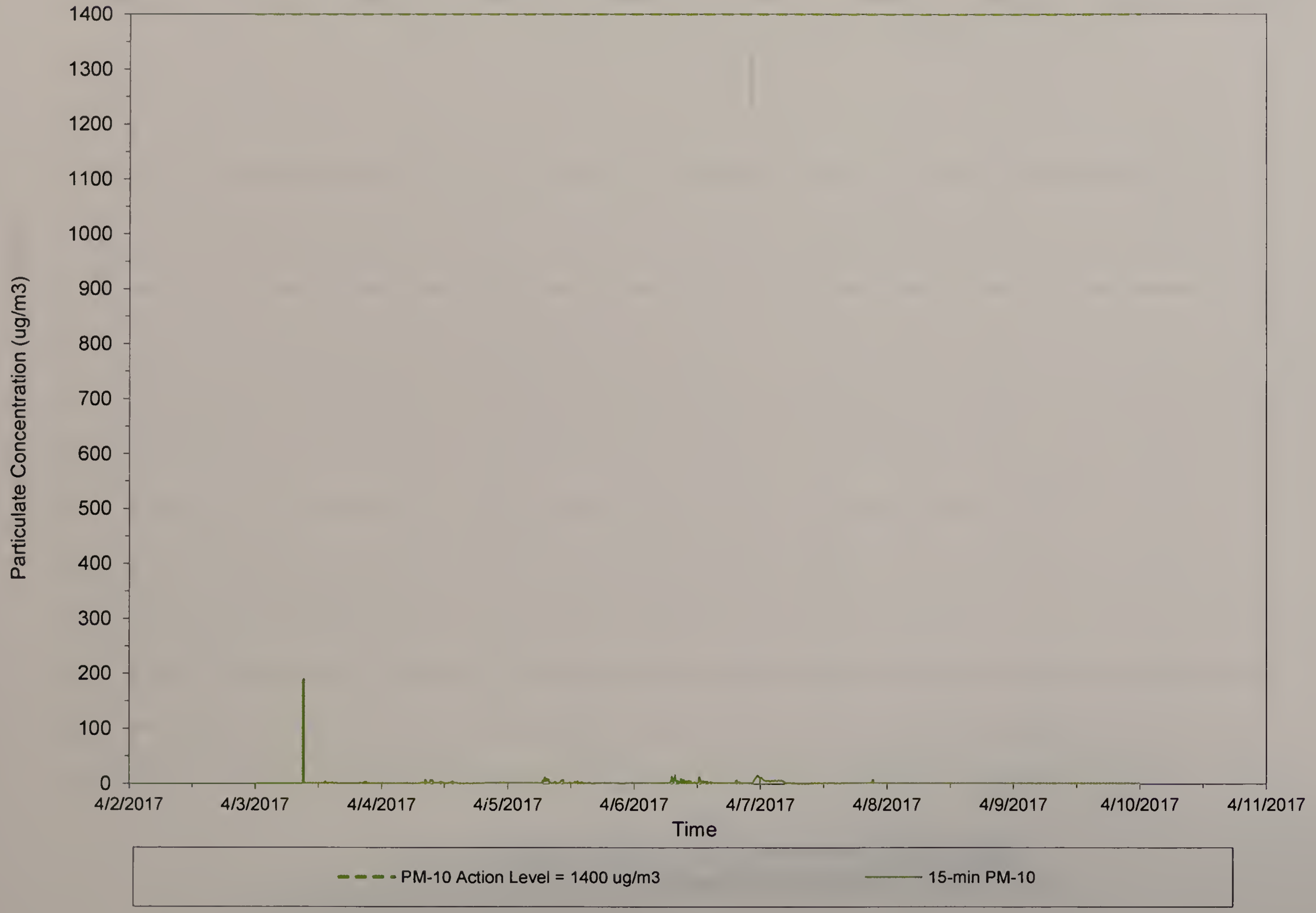
Apr10,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3

15-minute average concentrations



Weekly

Data Summary Statistics

PM-10 Avg = 1.40

Daily

Data Summary Statistics

PM10 max=	(15Min Avg)
4/3/2017	189.33
4/4/2017	6.56
4/5/2017	11.21
4/6/2017	15.28
4/7/2017	10.73
4/8/2017	0.80
4/9/2017	0.61

Wind Summary Statistics	
CALM	5%
UW	21%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	74%
TOTAL	100%

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
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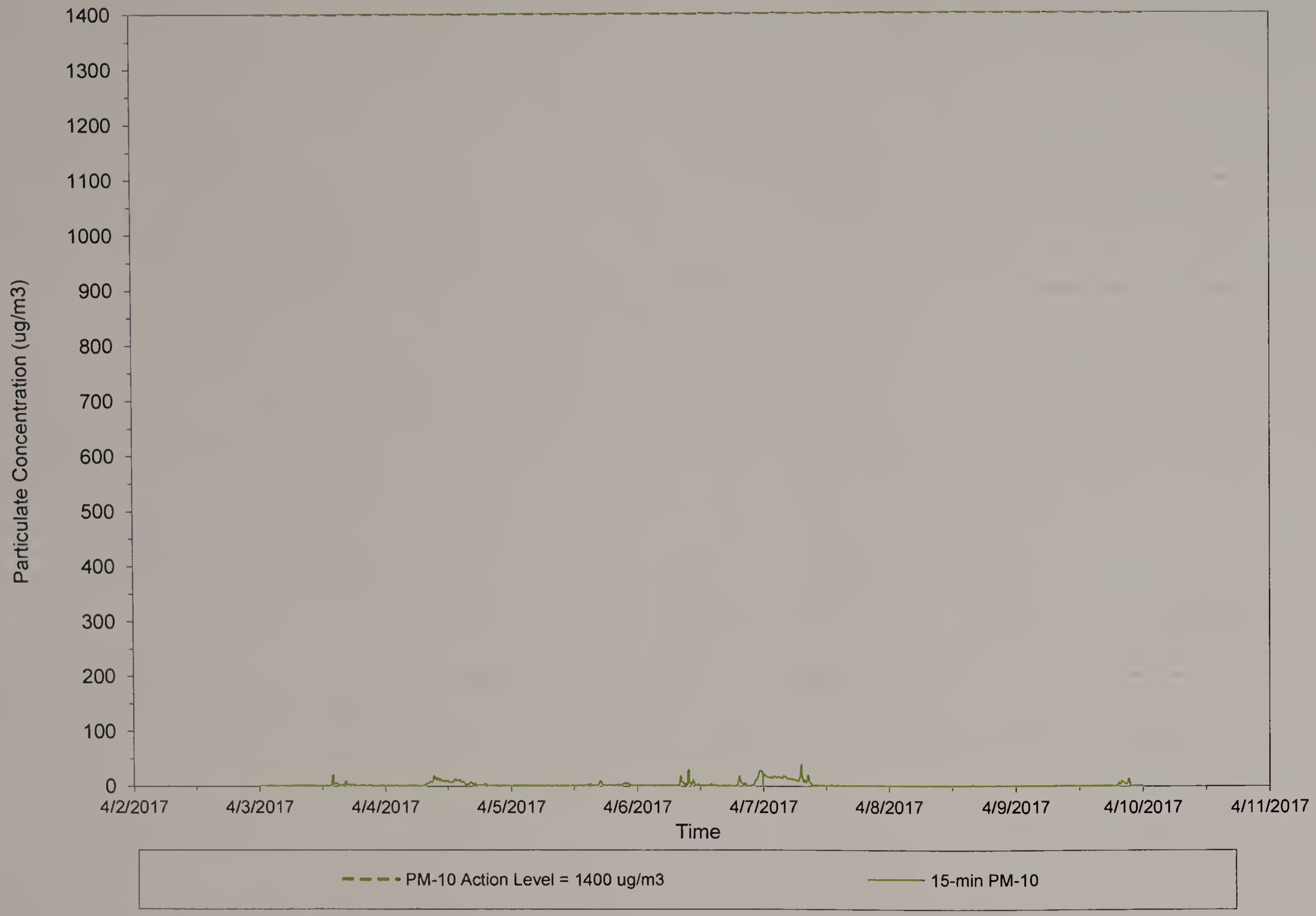
Apr10,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly

Data Summary Statistics	
PM-10 Avg =	1.95

Daily

Data Summary Statistics	
PM10 max=	(15Min Avg)
4/3/2017	19.72
4/4/2017	18.40
4/5/2017	8.96
4/6/2017	29.29
4/7/2017	38.43
4/8/2017	0.81
4/9/2017	12.70

Wind Summary Statistics	
CALM	5%
UW	0%
UW/CW	0%
CW	15%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	80%
TOTAL	100%

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Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

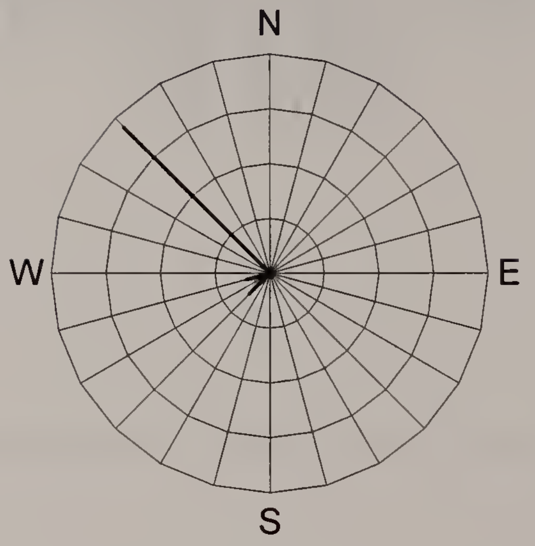


Figure 1. Wind rose for the period 4/3/2017 through 4/9/2017

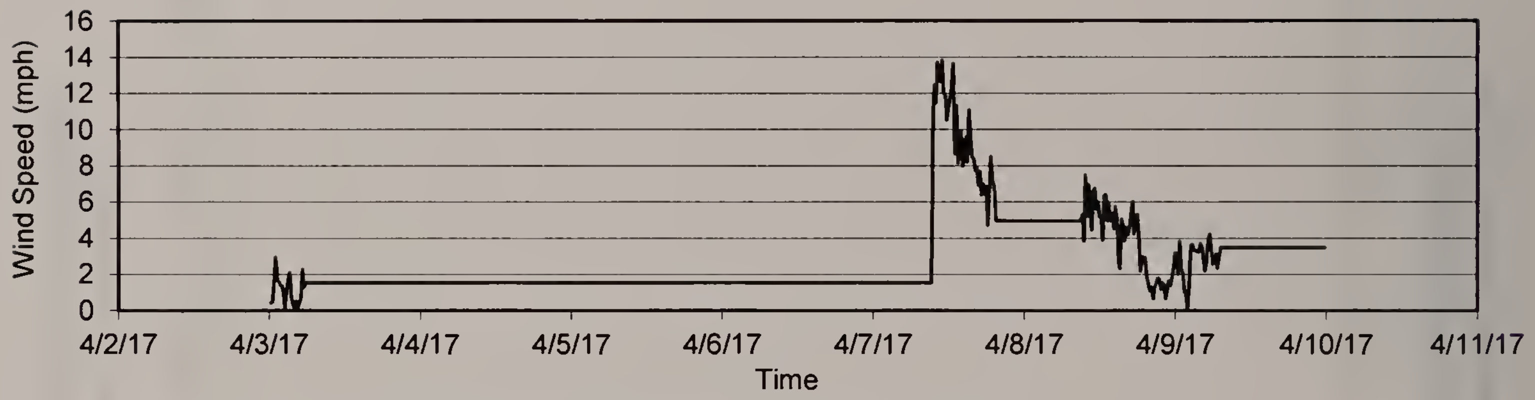


Figure 2. Wind speed for the period 4/3/2017 through 4/9/2017

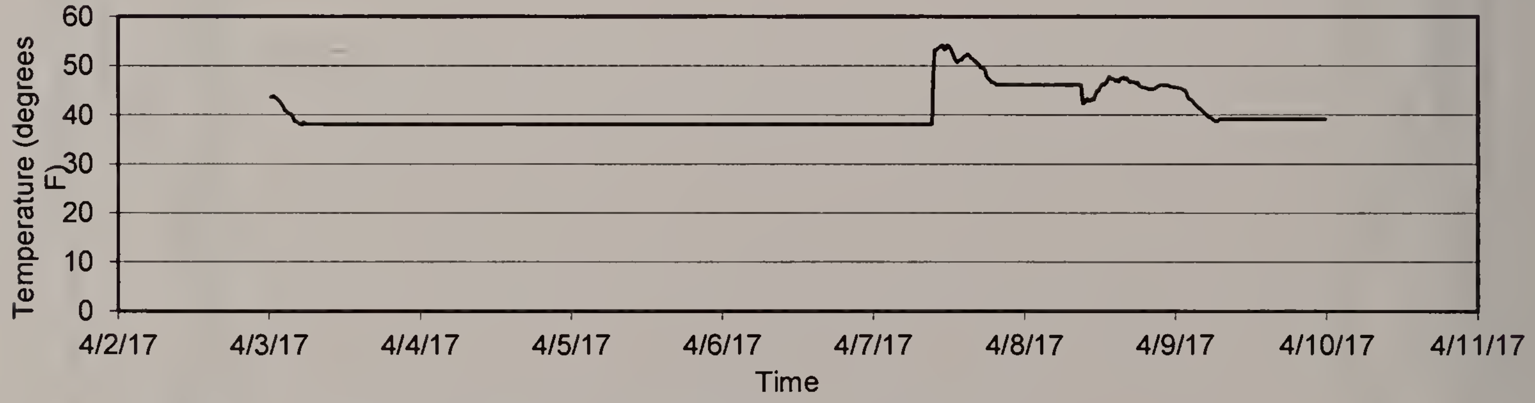


Figure 3. Temperature for the period 4/3/2017 through 4/9/2017

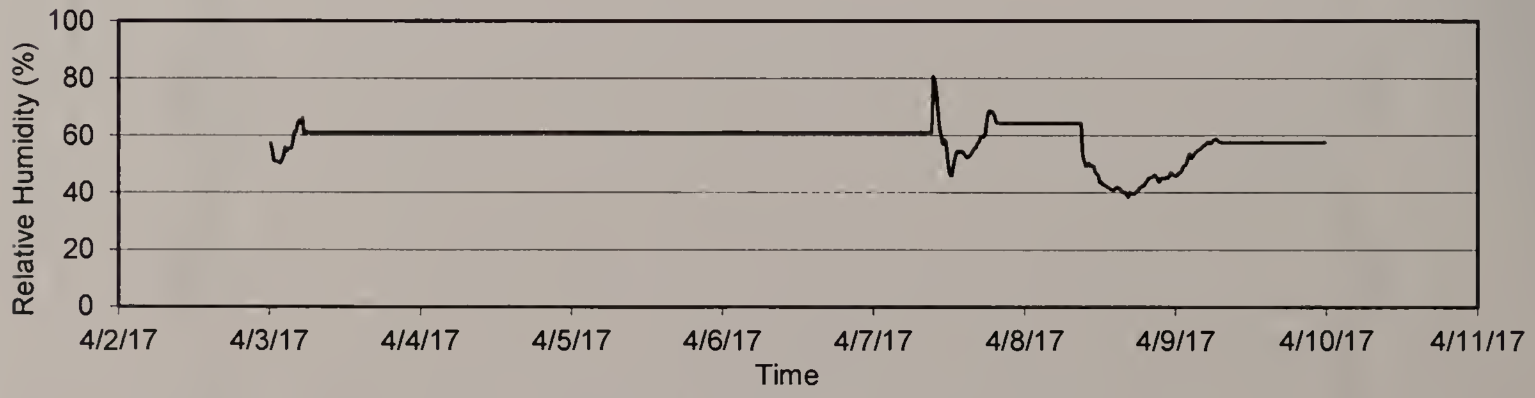


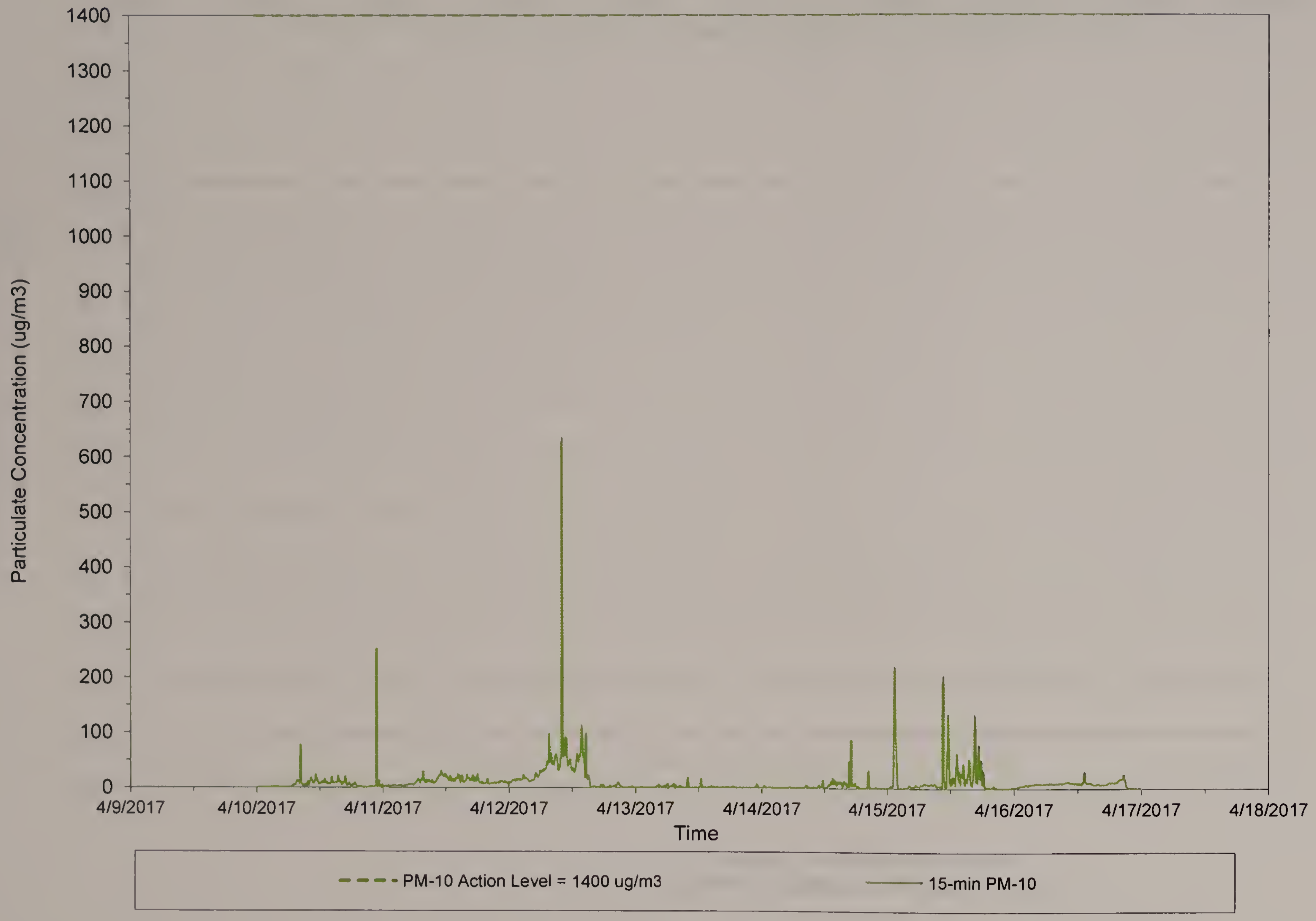
Figure 4. Relative humidity for the period 4/3/2017 through 4/9/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Apr17,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 11.11

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
4/10/2017	251.00
4/11/2017	30.00
4/12/2017	633.49
4/13/2017	17.72
4/14/2017	86.94
4/15/2017	219.28
4/16/2017	29.16

Wind Summary Statistics	
CALM	16%
UW	2%
UW/CW	0%
CW	0%
CW/DW	1%
DW	37%
DW/CW	28%
CW/UW	15%
TOTAL	100%

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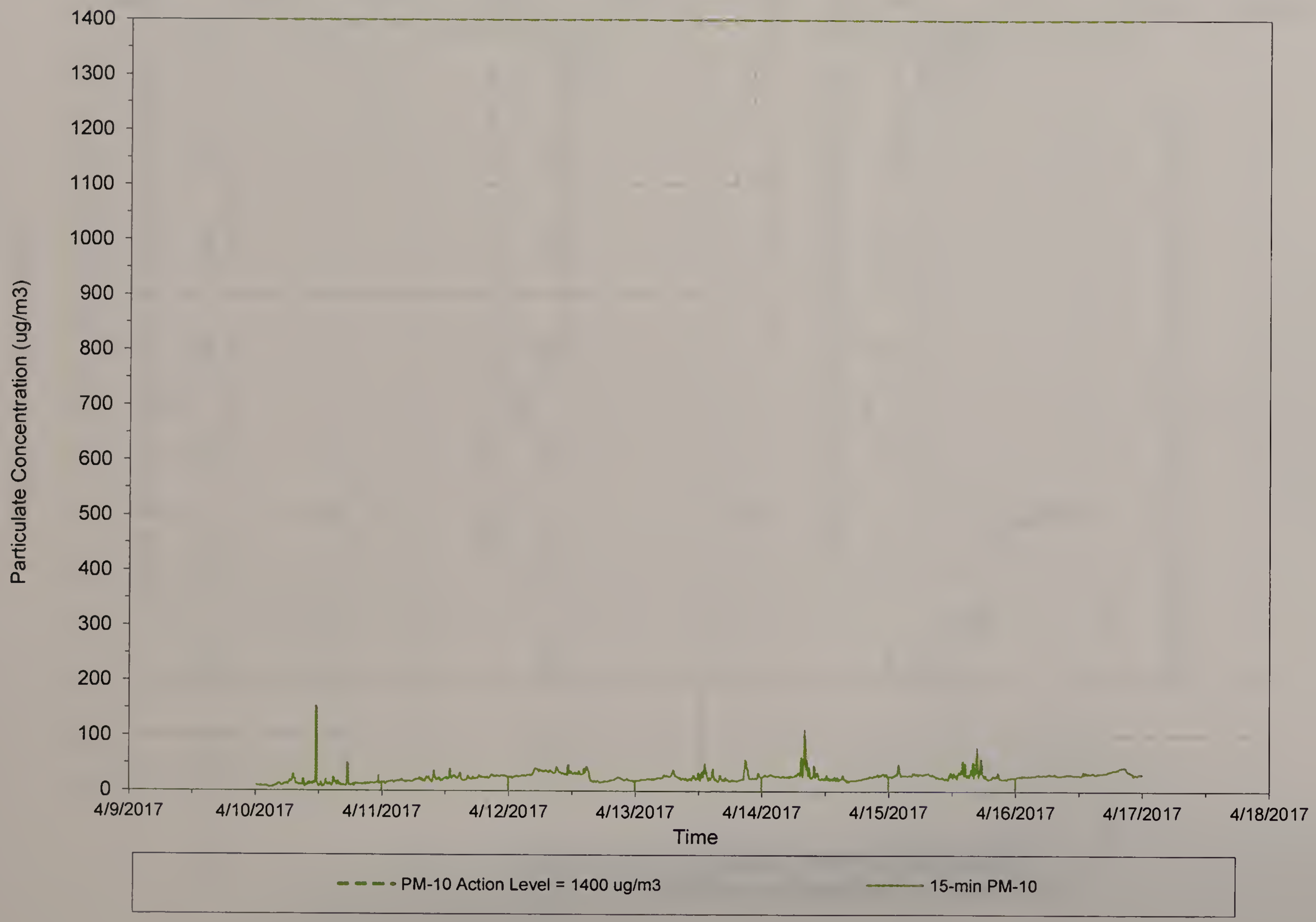
AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Apr17,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 24.87

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
4/10/2017	152.29
4/11/2017	39.14
4/12/2017	46.91
4/13/2017	56.72
4/14/2017	111.13
4/15/2017	78.25
4/16/2017	43.35

Wind Summary Statistics	
CALM	16%
UW	9%
UW/CW	3%
CW	22%
CW/DW	28%
DW	21%
DW/CW	0%
CW/UW	0%
TOTAL	100%

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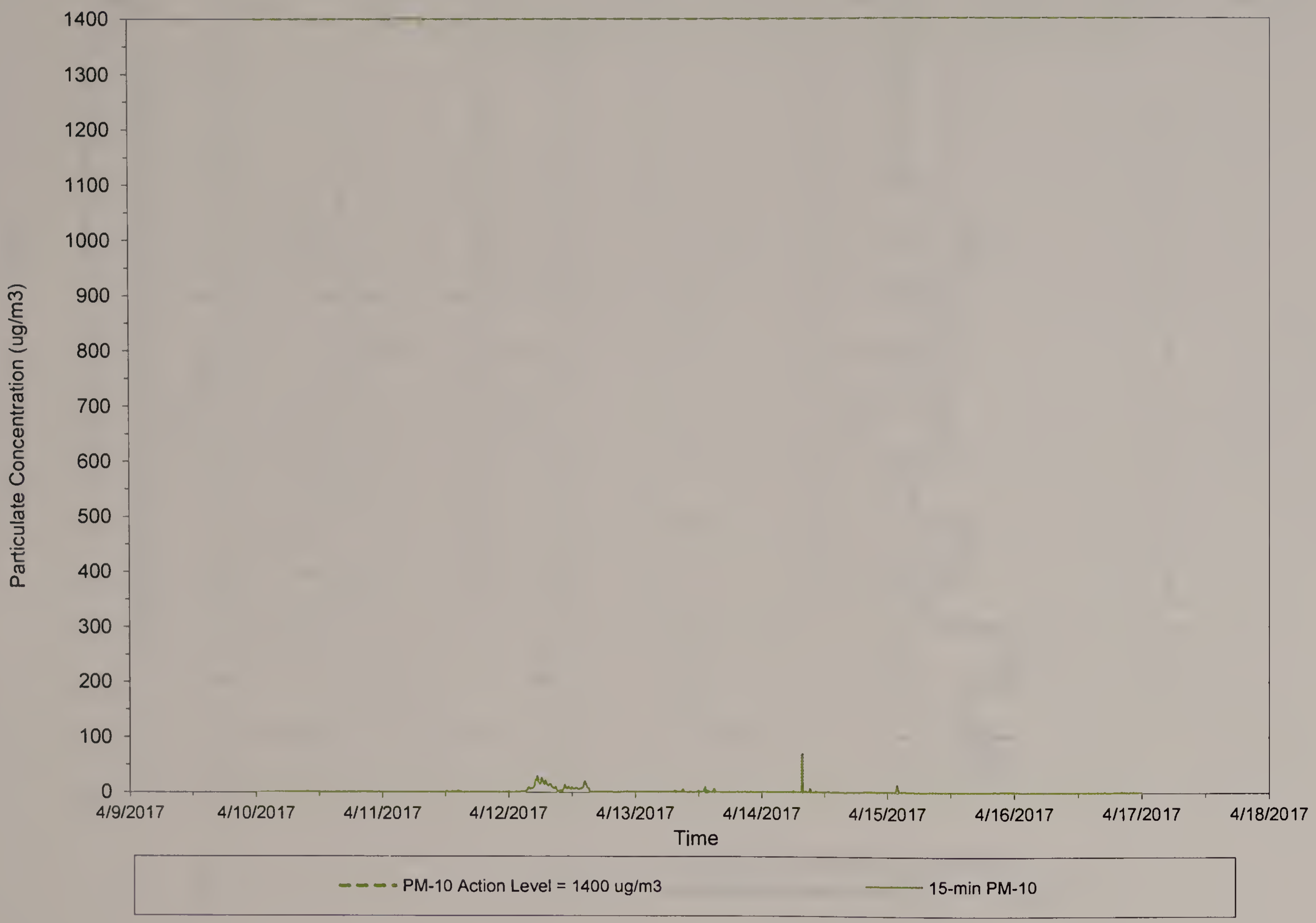
AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Apr17,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 1.31

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
4/10/2017	1.47
4/11/2017	2.97
4/12/2017	29.24
4/13/2017	9.54
4/14/2017	70.02
4/15/2017	13.66
4/16/2017	1.15

Wind Summary Statistics	
CALM	16%
UW	69%
UW/CW	0%
CW	0%
CW/DW	0%
DW	6%
DW/CW	0%
CW/UW	10%
TOTAL	100%

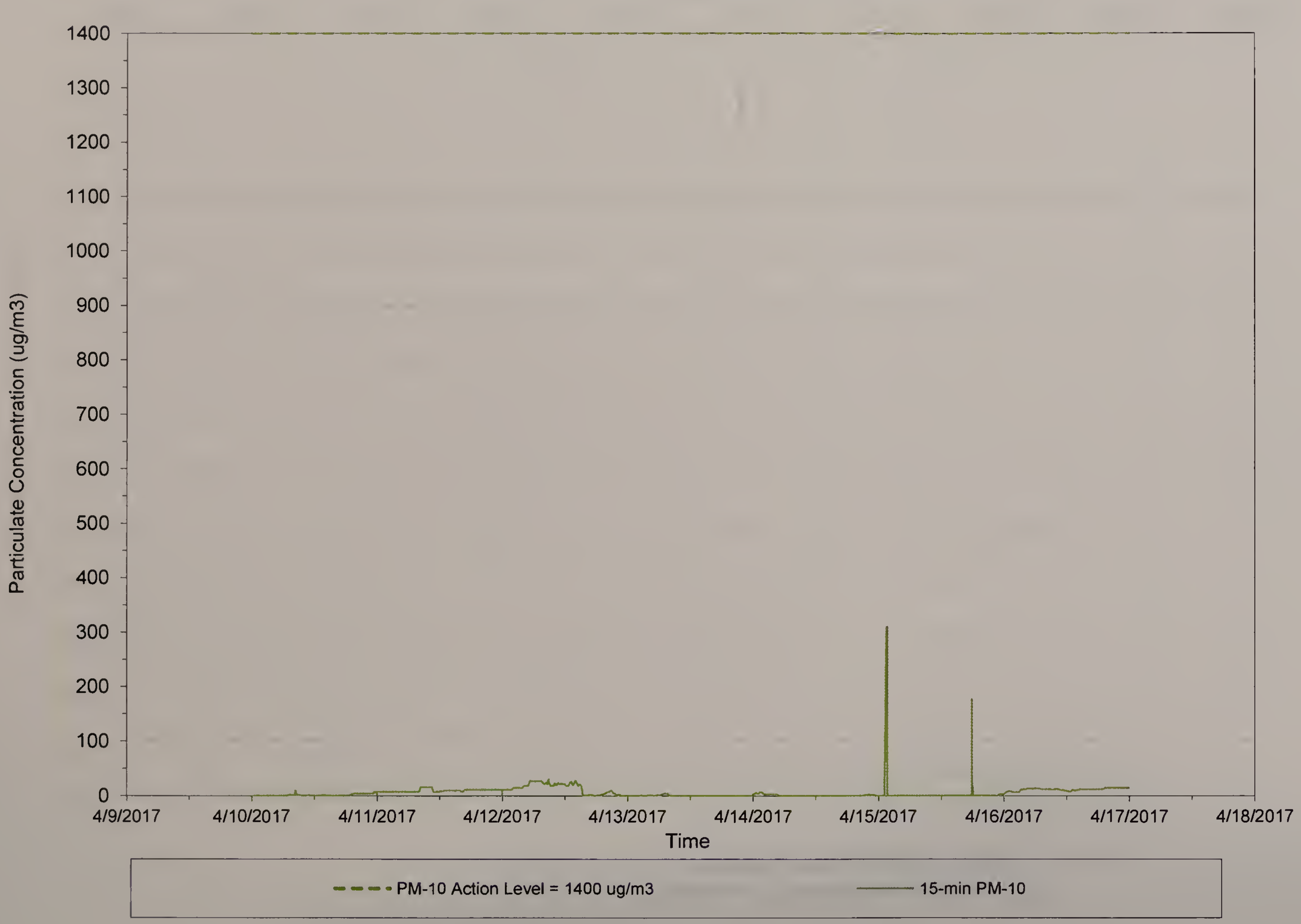
Filename: C:\Users\matthew.dion\Documents\Everett 2016\Air Logics\Reports\STA3_WEEKLYApr17.xls

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Apr17,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 35.85

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
4/10/2017	9.44
4/11/2017	15.44
4/12/2017	29.95
4/13/2017	4.17
4/14/2017	6.63
4/15/2017	308.97
4/16/2017	14.59

Wind Summary Statistics	
CALM	16%
UW	0%
UW/CW	0%
CW	59%
CW/DW	1%
DW	5%
DW/CW	0%
CW/UW	19%
TOTAL	100%

Filename: C:\Users\matthew.dion\Documents\Everett 2016\Air Logics\Reports\STA4_WEEKLYApr17.xls

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

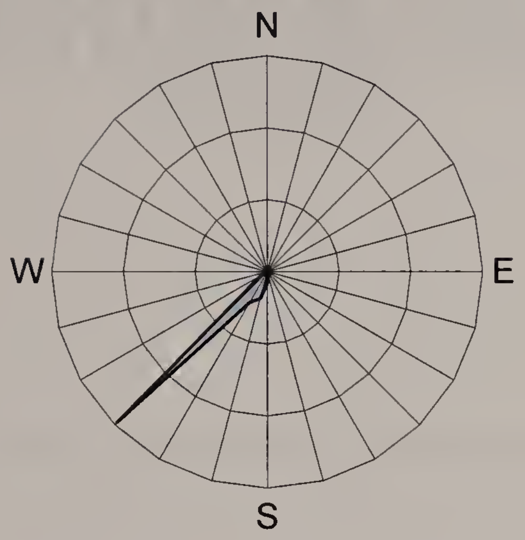


Figure 1. Wind rose for the period 4/10/2017 through 4/16/2017

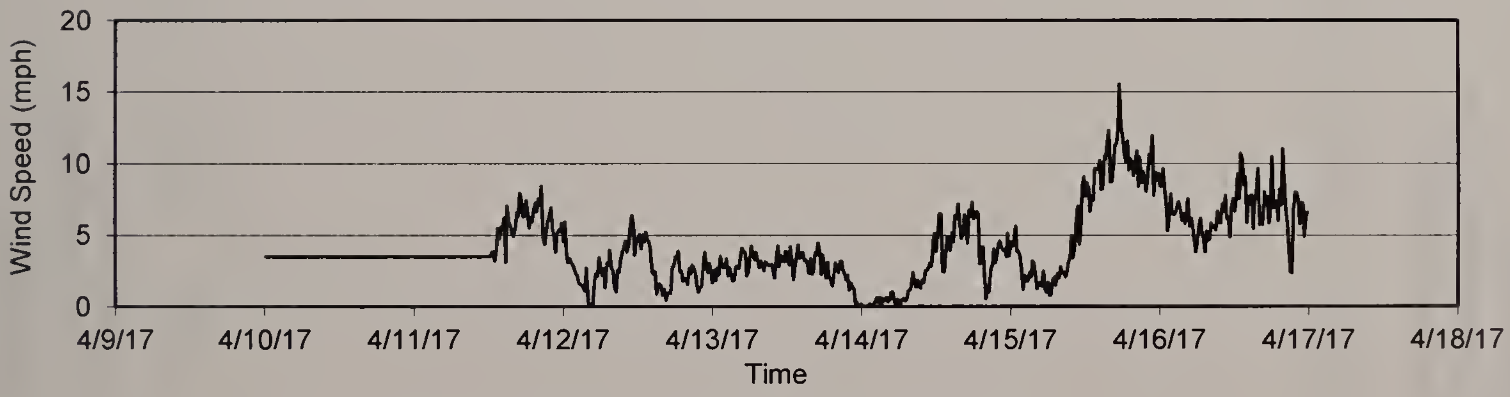


Figure 2. Wind speed for the period 4/10/2017 through 4/16/2017

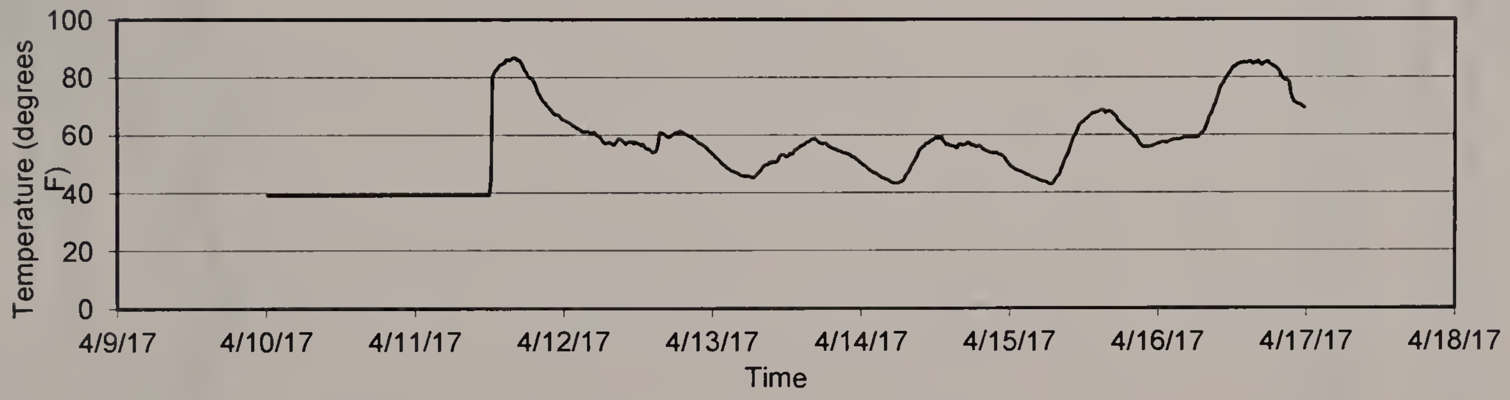


Figure 3. Temperature for the period 4/10/2017 through 4/16/2017

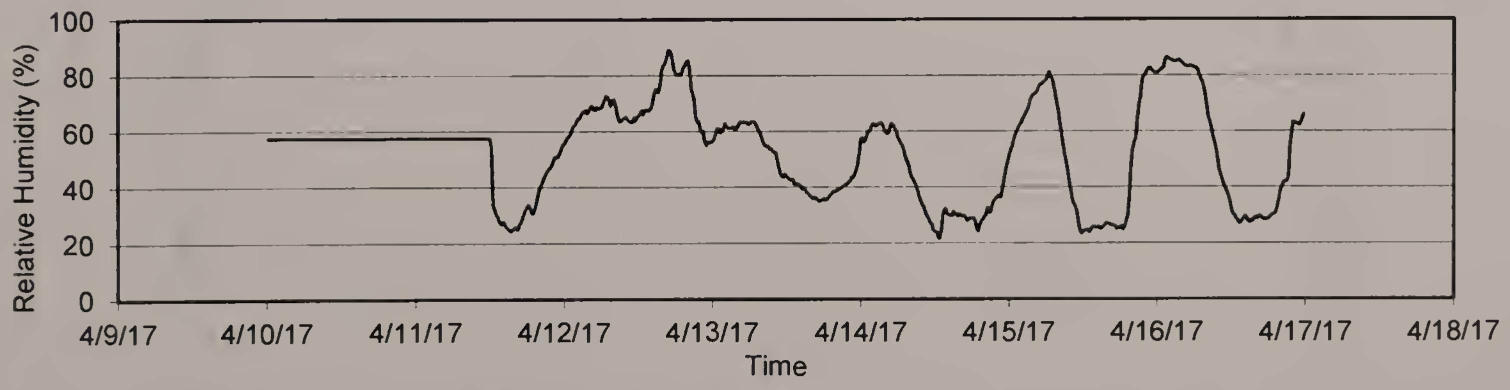


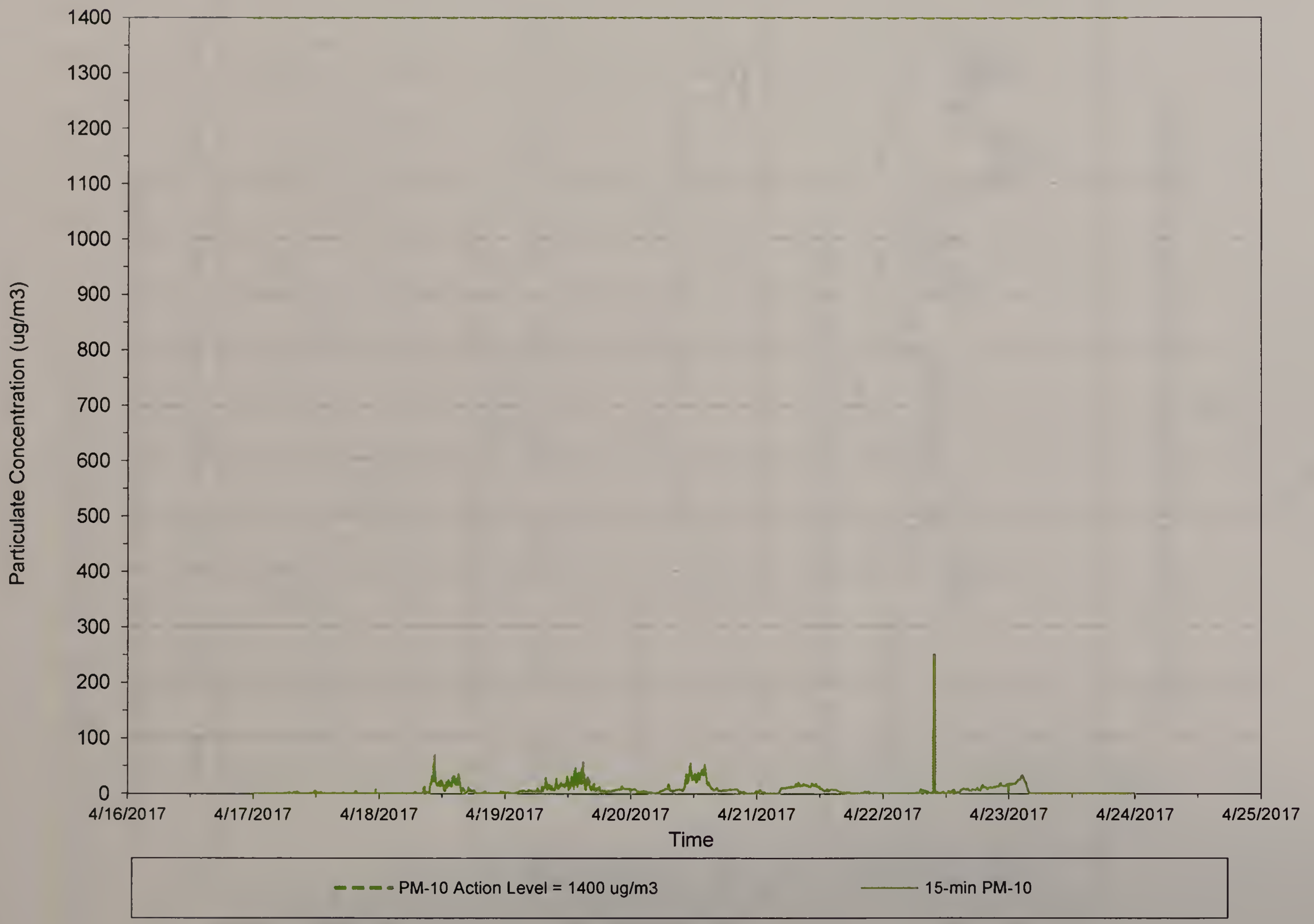
Figure 4. Relative humidity for the period 4/10/2017 through 4/16/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Apr24,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 6.08

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
4/17/2017	7.07
4/18/2017	69.01
4/19/2017	56.12
4/20/2017	54.50
4/21/2017	20.09
4/22/2017	250.13
4/23/2017	32.91

Wind Summary Statistics	
CALM	13%
UW	22%
UW/CW	0%
CW	0%
CW/DW	5%
DW	39%
DW/CW	4%
CW/UW	17%
	%

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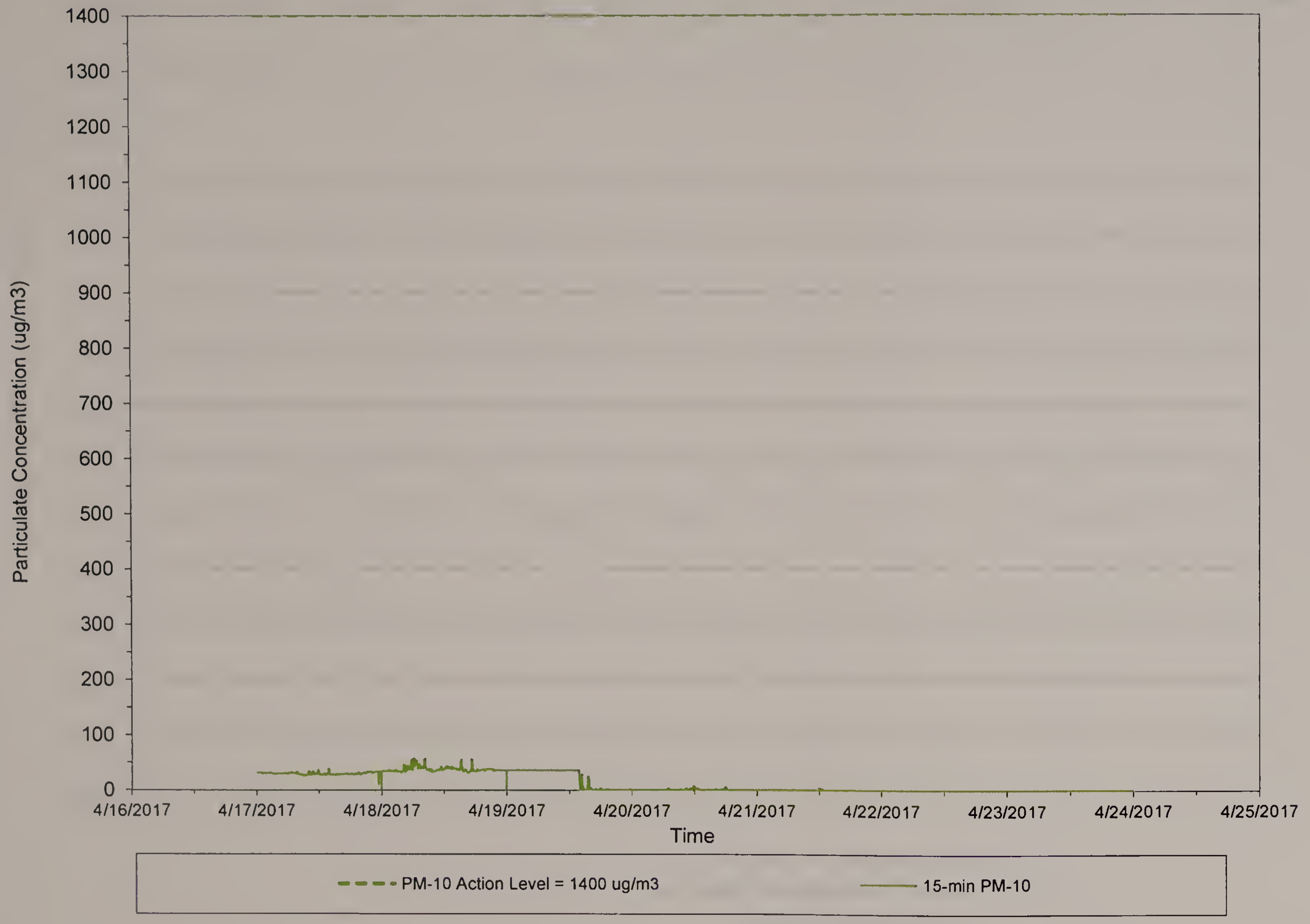
Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\April 2017\STA1_WEEKLYApr17.xls

Apr24,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 12.69

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
4/17/2017	37.54
4/18/2017	57.22
4/19/2017	35.58
4/20/2017	7.23
4/21/2017	3.47
4/22/2017	0.00
4/23/2017	0.00

Wind Summary Statistics	
CALM	13%
UW	25%
UW/CW	2%
CW	13%
CW/DW	4%
DW	41%
DW/CW	2%
CW/UW	1%
	%

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AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
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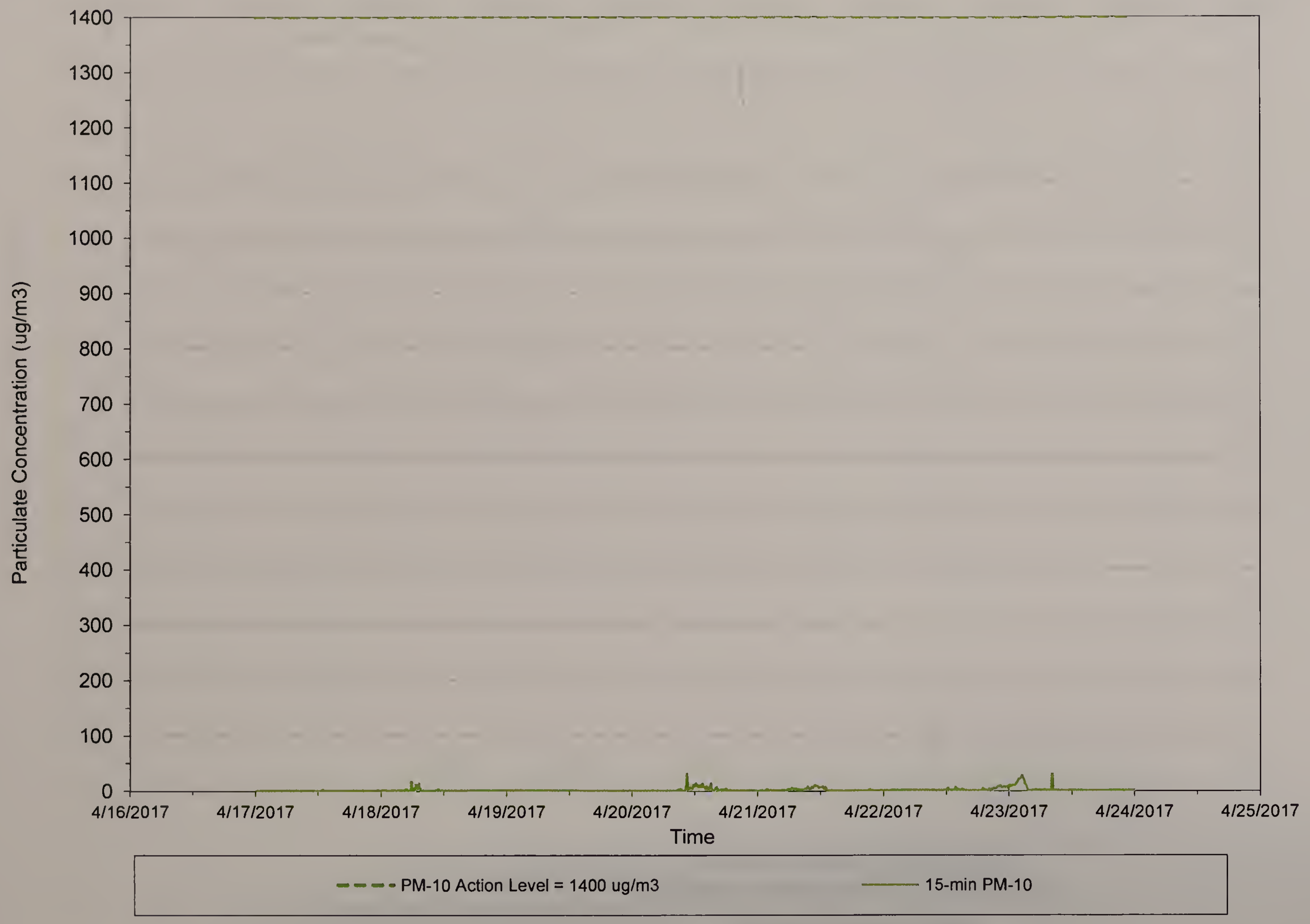
Apr24,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 1.52

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
4/17/2017	2.09
4/18/2017	17.09
4/19/2017	1.68
4/20/2017	30.55
4/21/2017	9.94
4/22/2017	8.55
4/23/2017	29.81

Wind Summary Statistics	
CALM	13%
UW	37%
UW/CW	0%
CW	0%
CW/DW	0%
DW	37%
DW/CW	0%
CW/UW	13%
	%

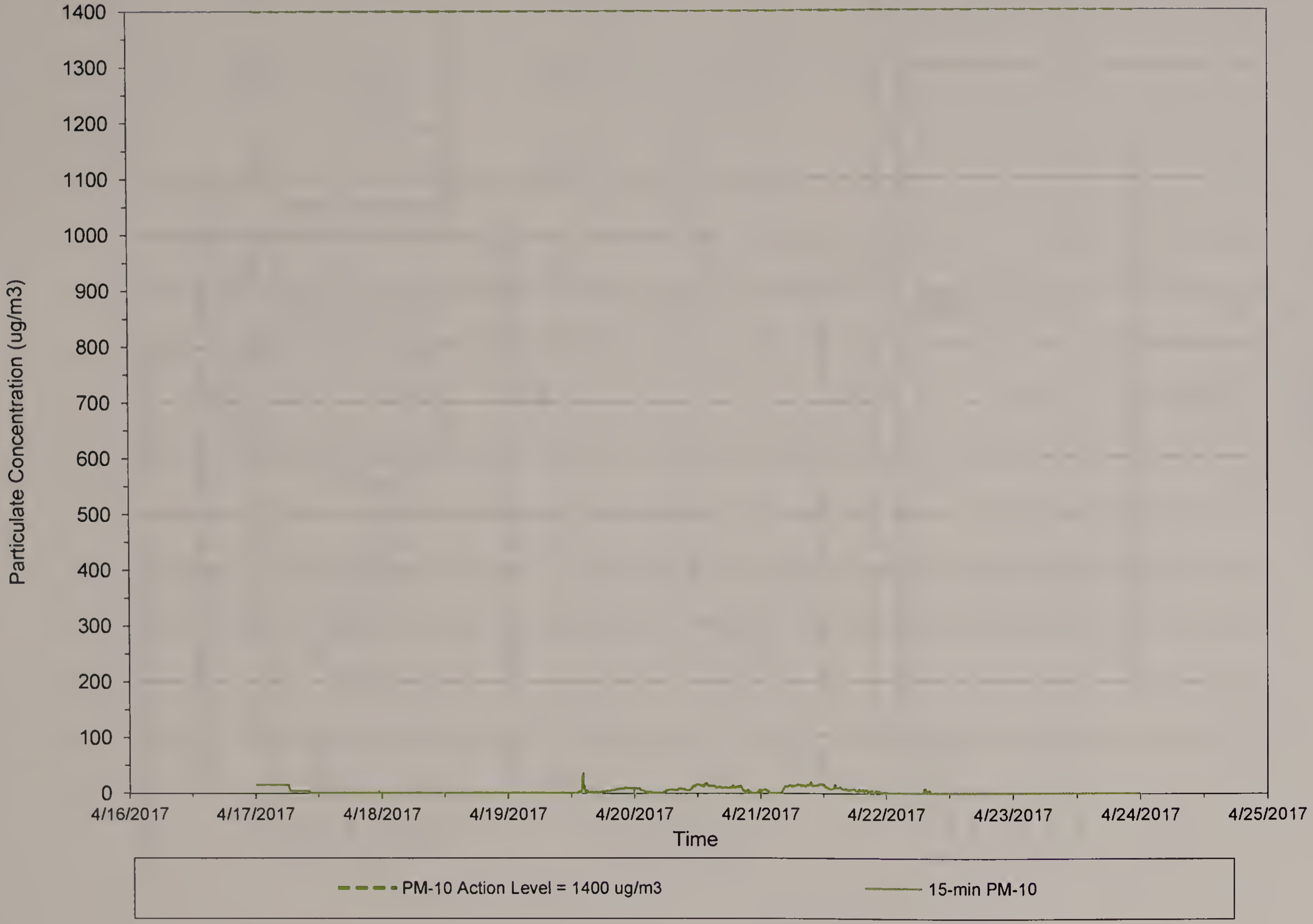
Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\April 2017\STA3_WEEKLYApr17.xls

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Apr24,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 3.04

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
4/17/2017	14.47
4/18/2017	0.00
4/19/2017	34.91
4/20/2017	17.18
4/21/2017	19.86
4/22/2017	7.56
4/23/2017	0.00

Wind Summary Statistics	
CALM	13%
UW	0%
UW/CW	0%
CW	48%
CW/DW	5%
DW	14%
DW/CW	1%
CW/UW	19%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\April 2017\STA4_WEEKLYApr17.xls

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
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Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

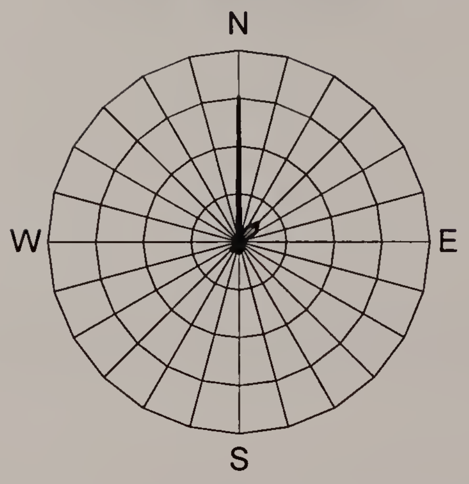


Figure 1. Wind rose for the period 4/17/2017 through 4/23/2017

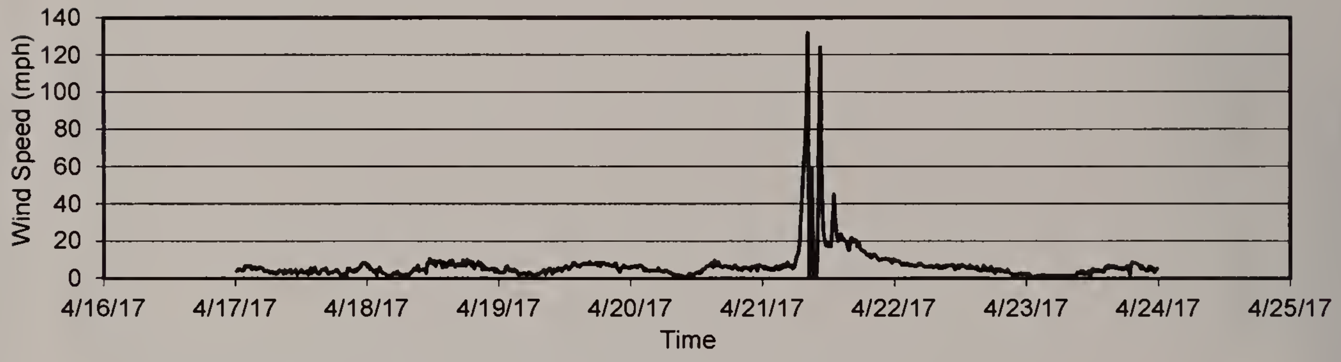


Figure 2. Wind speed for the period 4/17/2017 through 4/23/2017

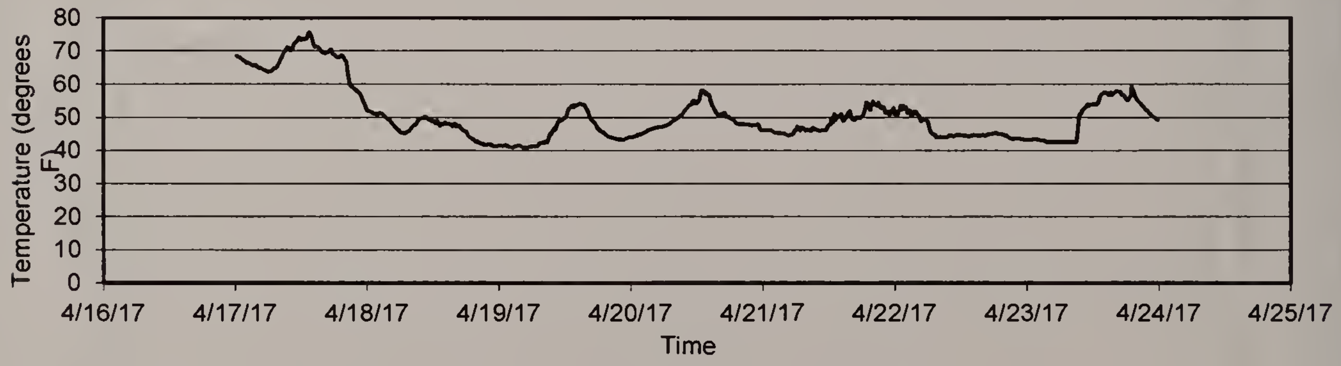


Figure 3. Temperature for the period 4/17/2017 through 4/23/2017

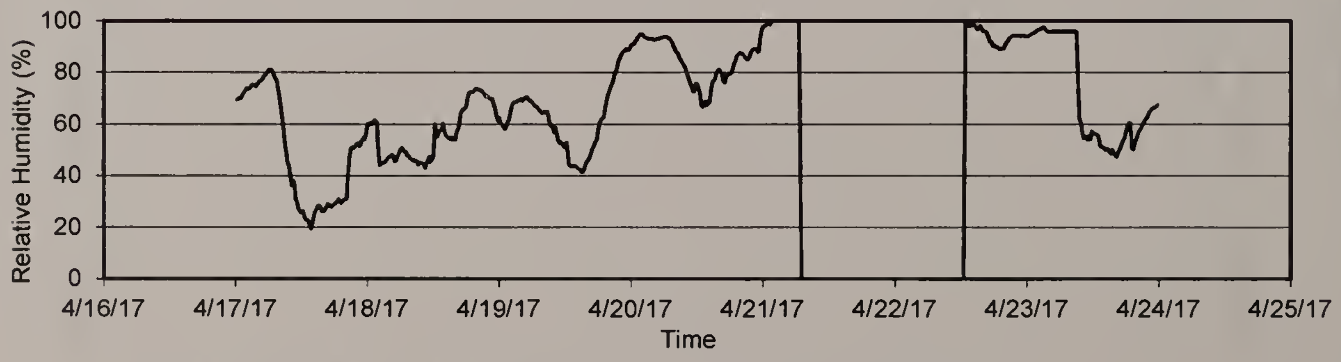


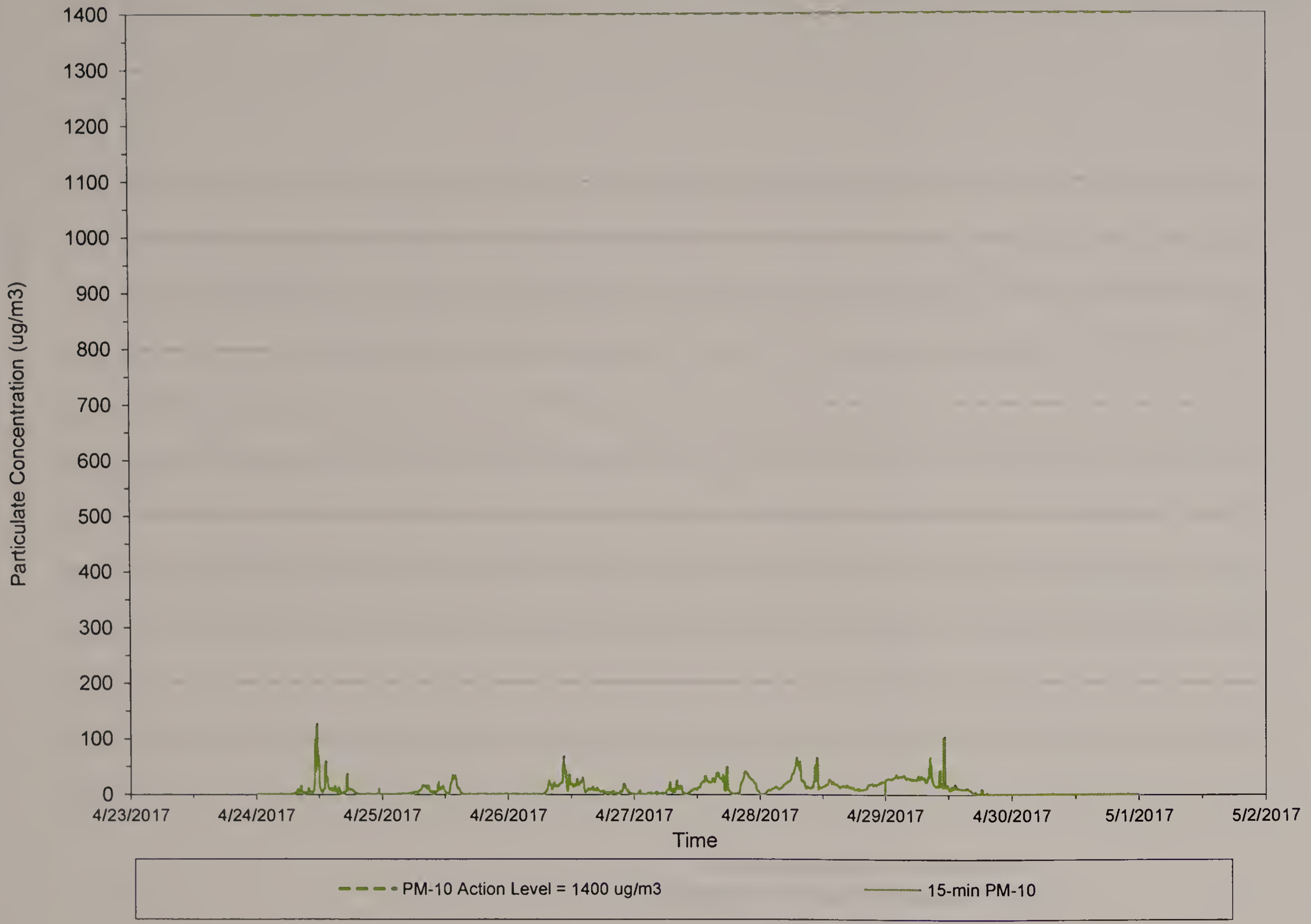
Figure 4. Relative humidity for the period 4/17/2017 through 4/23/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

May01,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 9.37

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
4/24/2017	125.79
4/25/2017	34.60
4/26/2017	68.56
4/27/2017	48.47
4/28/2017	66.10
4/29/2017	102.65
4/30/2017	1.30

Wind Summary Statistics	
CALM	3%
UW	13%
UW/CW	0%
CW	0%
CW/DW	2%
DW	11%
DW/CW	1%
CW/UW	70%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\May 2017\STA1_WEEKLYMay17.xls

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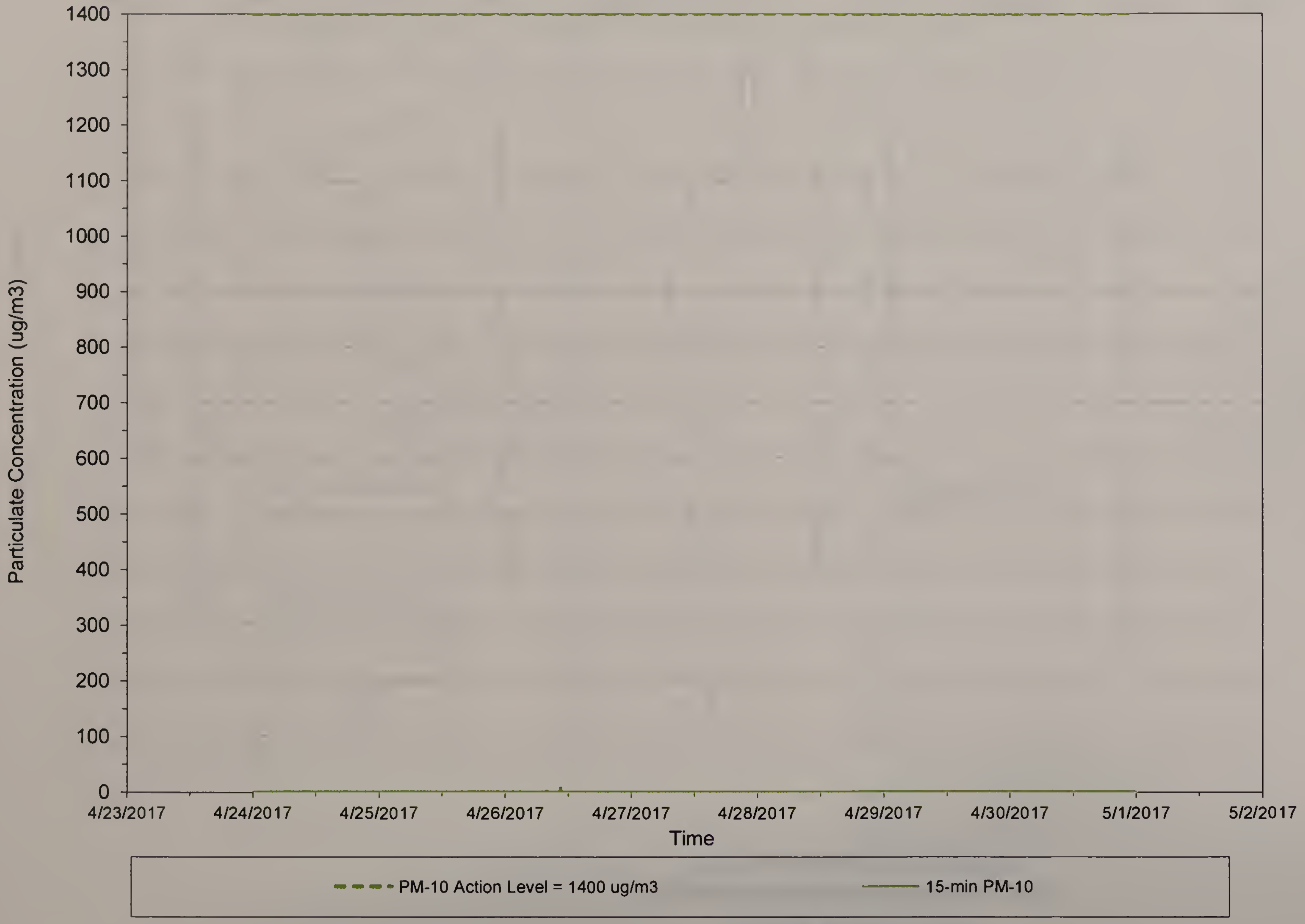
PROACTIVE BY DESIGN

May01,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.01

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
4/24/2017	0.02
4/25/2017	0.00
4/26/2017	7.58
4/27/2017	0.00
4/28/2017	0.00
4/29/2017	0.00
4/30/2017	0.00

Wind Summary Statistics	
CALM	3%
UW	6%
UW/CW	1%
CW	5%
CW/DW	1%
DW	79%
DW/CW	5%
CW/UW	0%
	%

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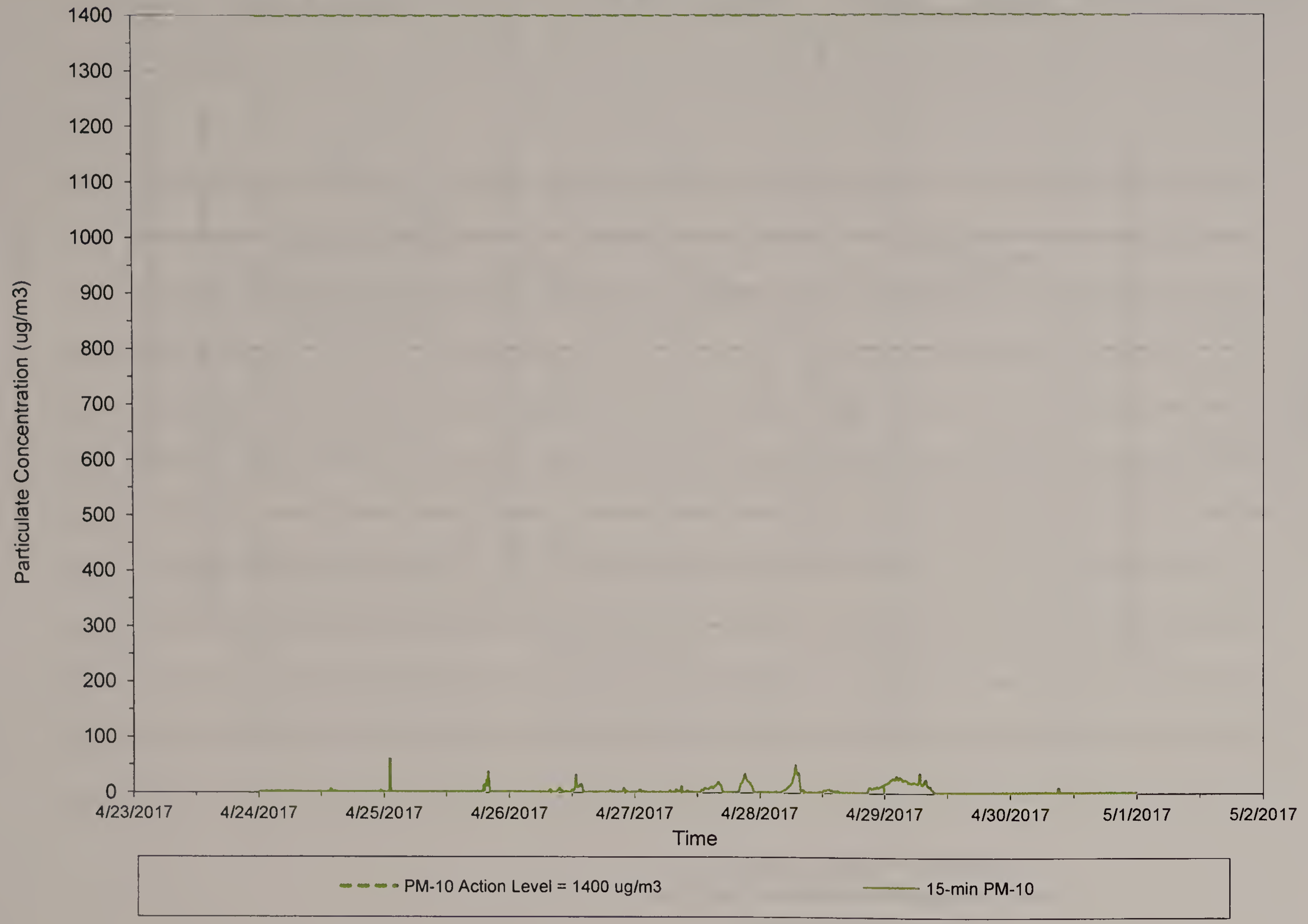
May01,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 3.04

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
4/24/2017	5.69
4/25/2017	58.95
4/26/2017	30.79
4/27/2017	33.03
4/28/2017	49.27
4/29/2017	35.09
4/30/2017	8.73

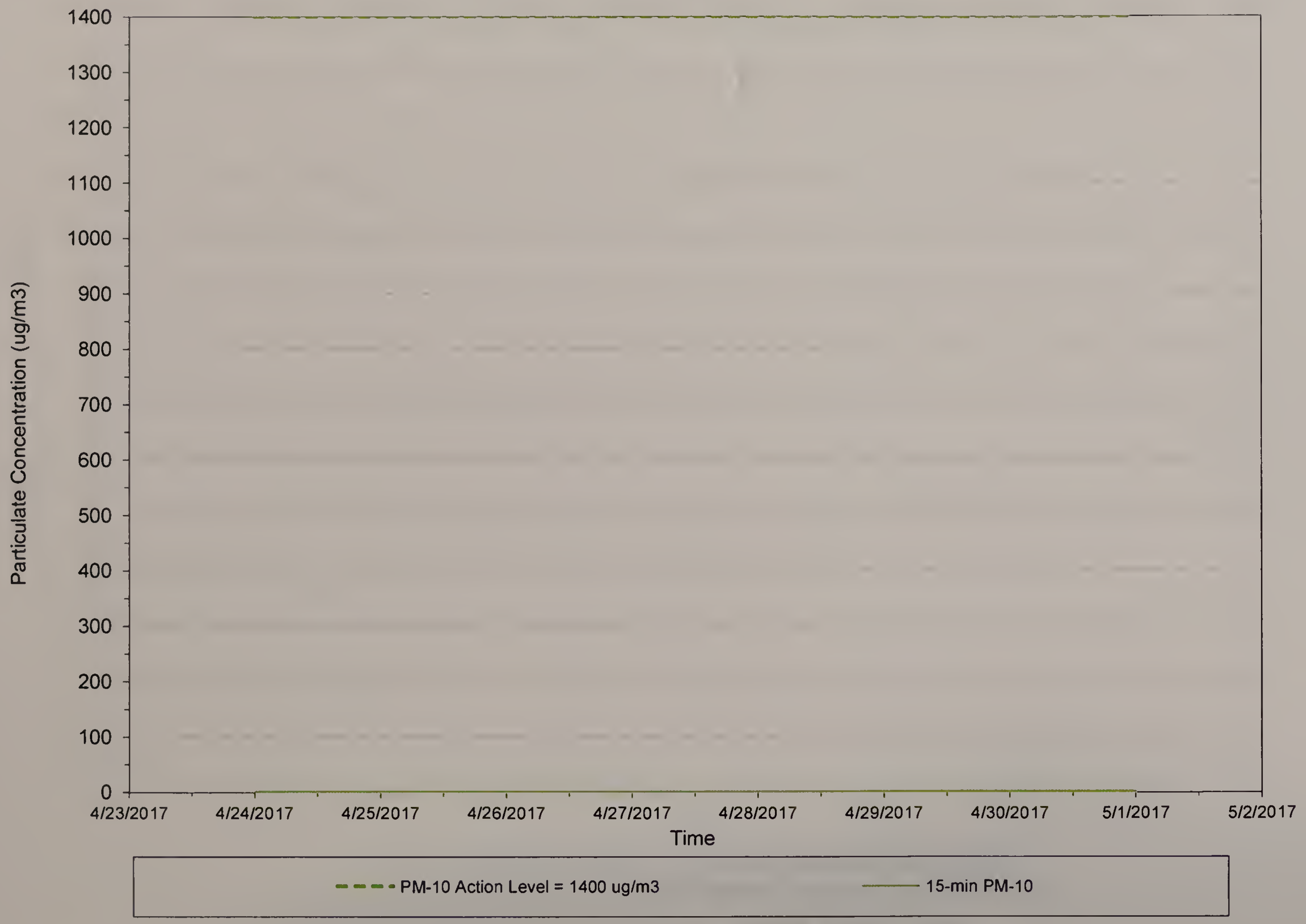
Wind Summary Statistics	
CALM	3%
UW	11%
UW/CW	0%
CW	0%
CW/DW	0%
DW	17%
DW/CW	0%
CW/UW	69%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\May 2017\STA3_WEEKLYMay17.xls

May01,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.00

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
4/24/2017	0.00
4/25/2017	0.00
4/26/2017	0.00
4/27/2017	0.00
4/28/2017	0.00
4/29/2017	0.00
4/30/2017	0.00

Wind Summary Statistics	
CALM	3%
UW	0%
UW/CW	0%
CW	21%
CW/DW	2%
DW	3%
DW/CW	0%
CW/UW	71%
	%

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PERIMETER AIR MONITORING SYSTEMS
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Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

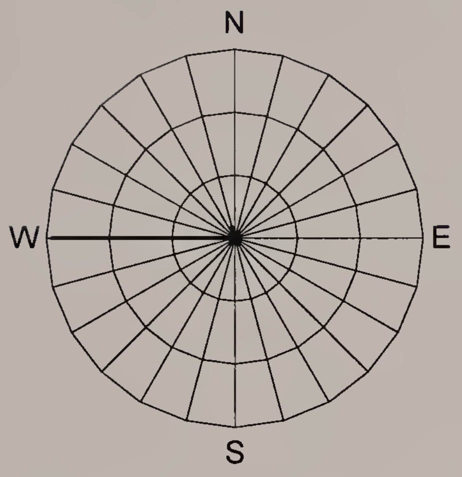


Figure 1. Wind rose for the period 4/24/2017 through 4/30/2017

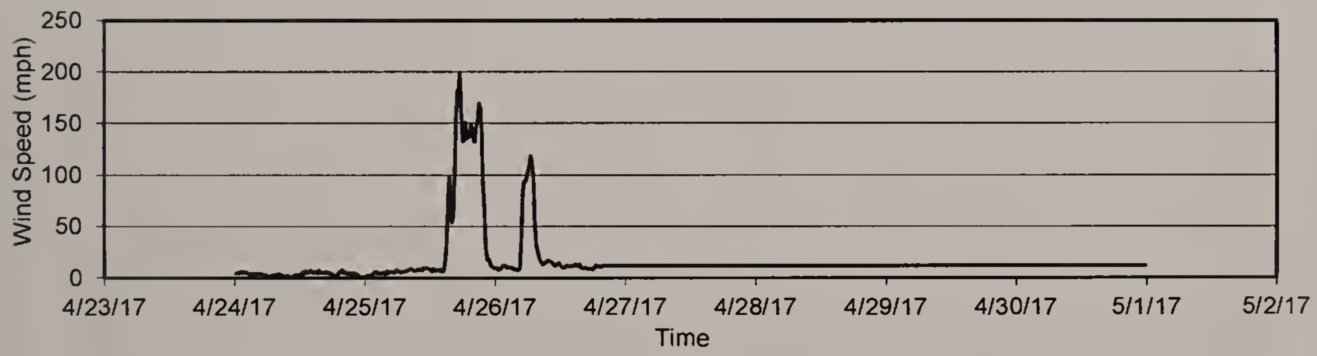


Figure 2. Wind speed for the period 4/24/2017 through 4/30/2017

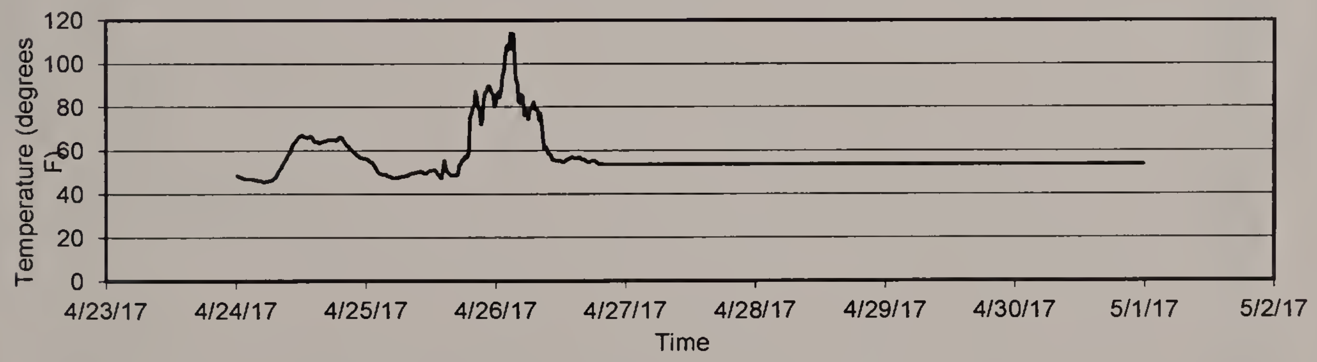


Figure 3. Temperature for the period 4/24/2017 through 4/30/2017

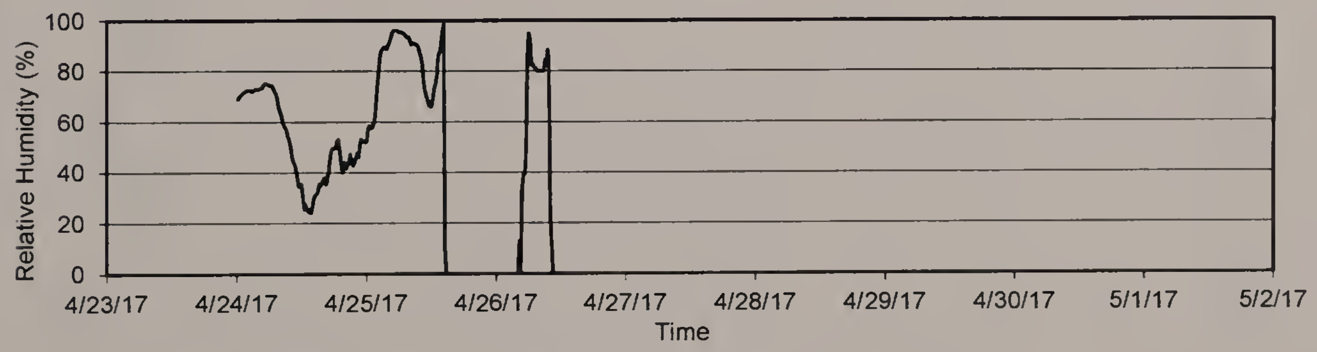


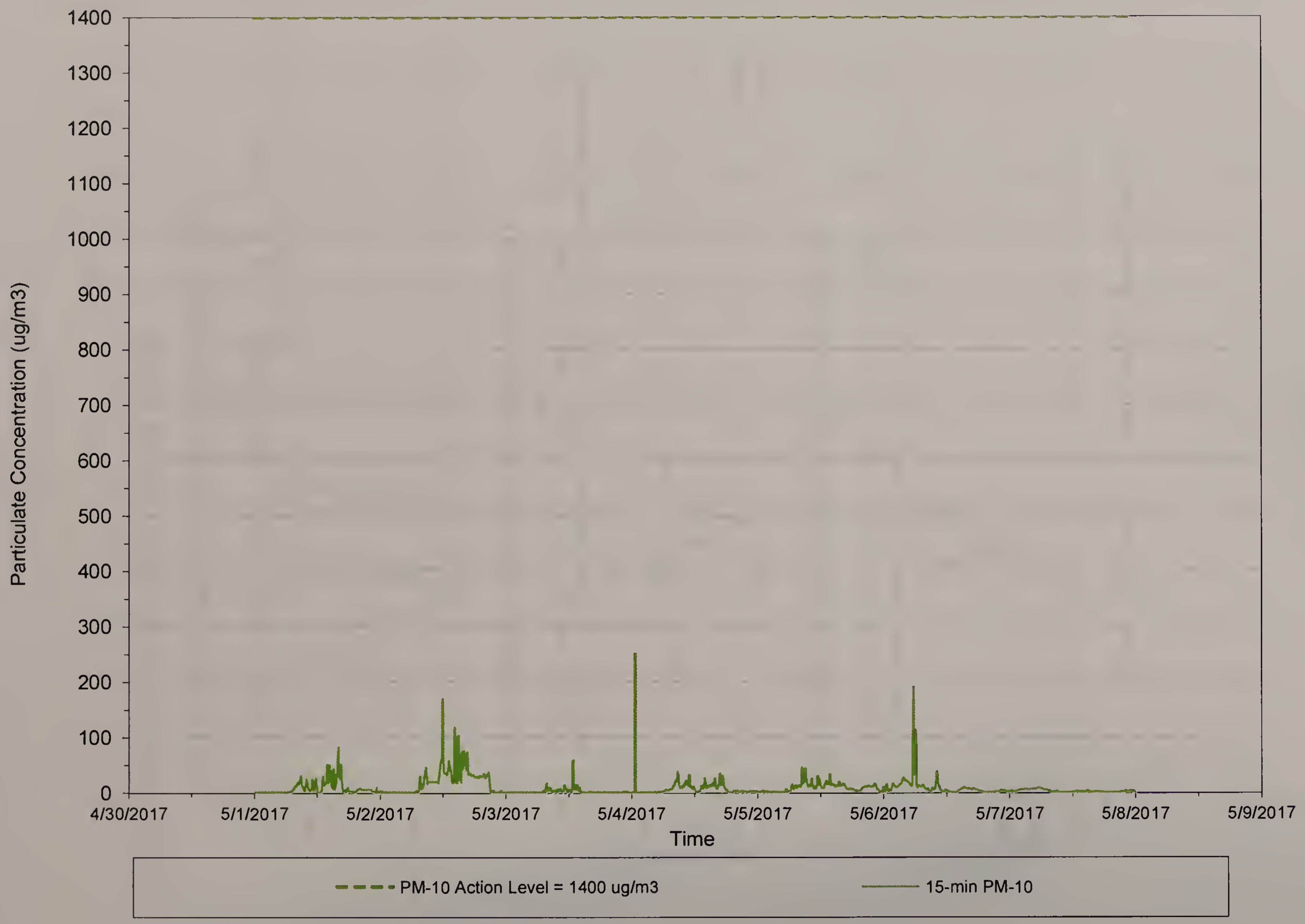
Figure 4. Relative humidity for the period 4/24/2017 through 4/30/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

May08,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 8.92

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
5/1/2017	81.84
5/2/2017	168.59
5/3/2017	58.39
5/4/2017	249.95
5/5/2017	45.16
5/6/2017	189.85
5/7/2017	8.06

Wind Summary Statistics	
CALM	5%
UW	6%
UW/CW	0%
CW	0%
CW/DW	2%
DW	37%
DW/CW	2%
CW/UW	47%
	%

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PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

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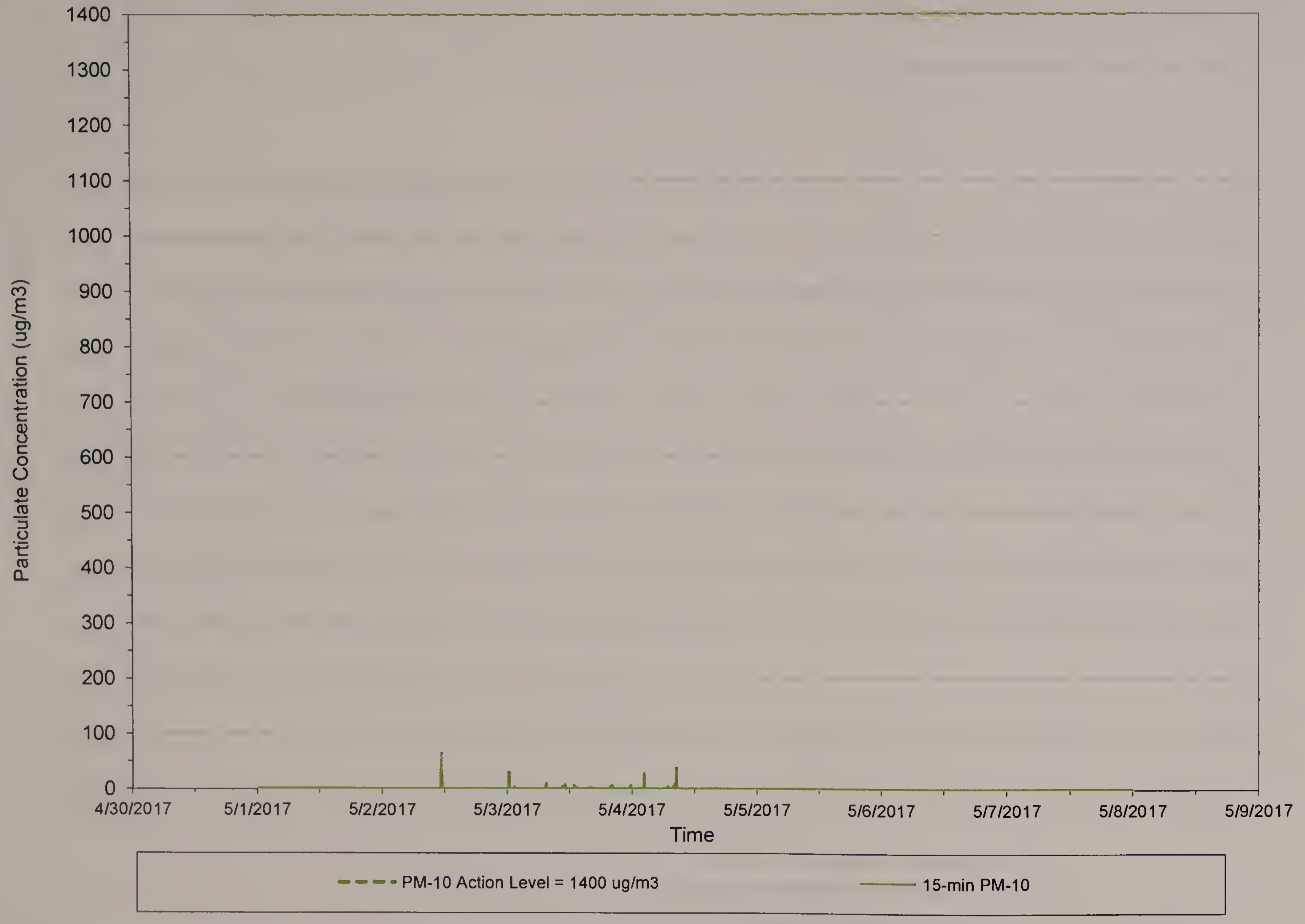
May08,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.38

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
5/1/2017	0.44
5/2/2017	64.82
5/3/2017	30.00
5/4/2017	37.42
5/5/2017	0.00
5/6/2017	0.31
5/7/2017	0.38

Wind Summary Statistics	
CALM	5%
UW	20%
UW/CW	4%
CW	13%
CW/DW	2%
DW	52%
DW/CW	3%
CW/UW	0%
	%

AirLogics, LLC
Perimeter Air Monitoring Systems
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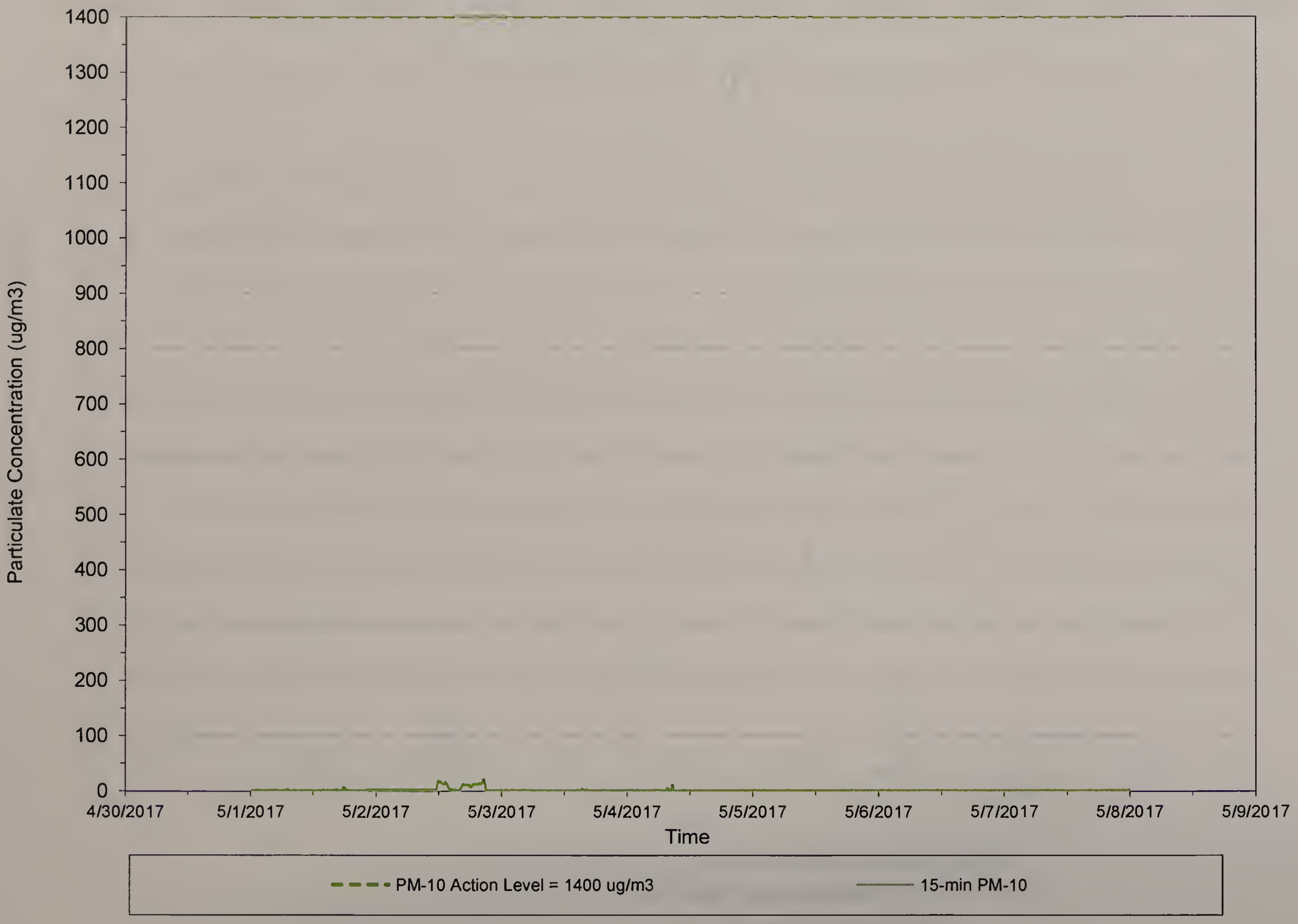
Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\May 2017\STA2_WEEKLYMay17.xls

May08,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 1.17

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
5/1/2017	6.16
5/2/2017	20.47
5/3/2017	2.56
5/4/2017	9.98
5/5/2017	1.29
5/6/2017	0.99
5/7/2017	1.22

Wind Summary Statistics	
CALM	5%
UW	36%
UW/CW	0%
CW	0%
CW/DW	0%
DW	14%
DW/CW	0%
CW/UW	45%
	%

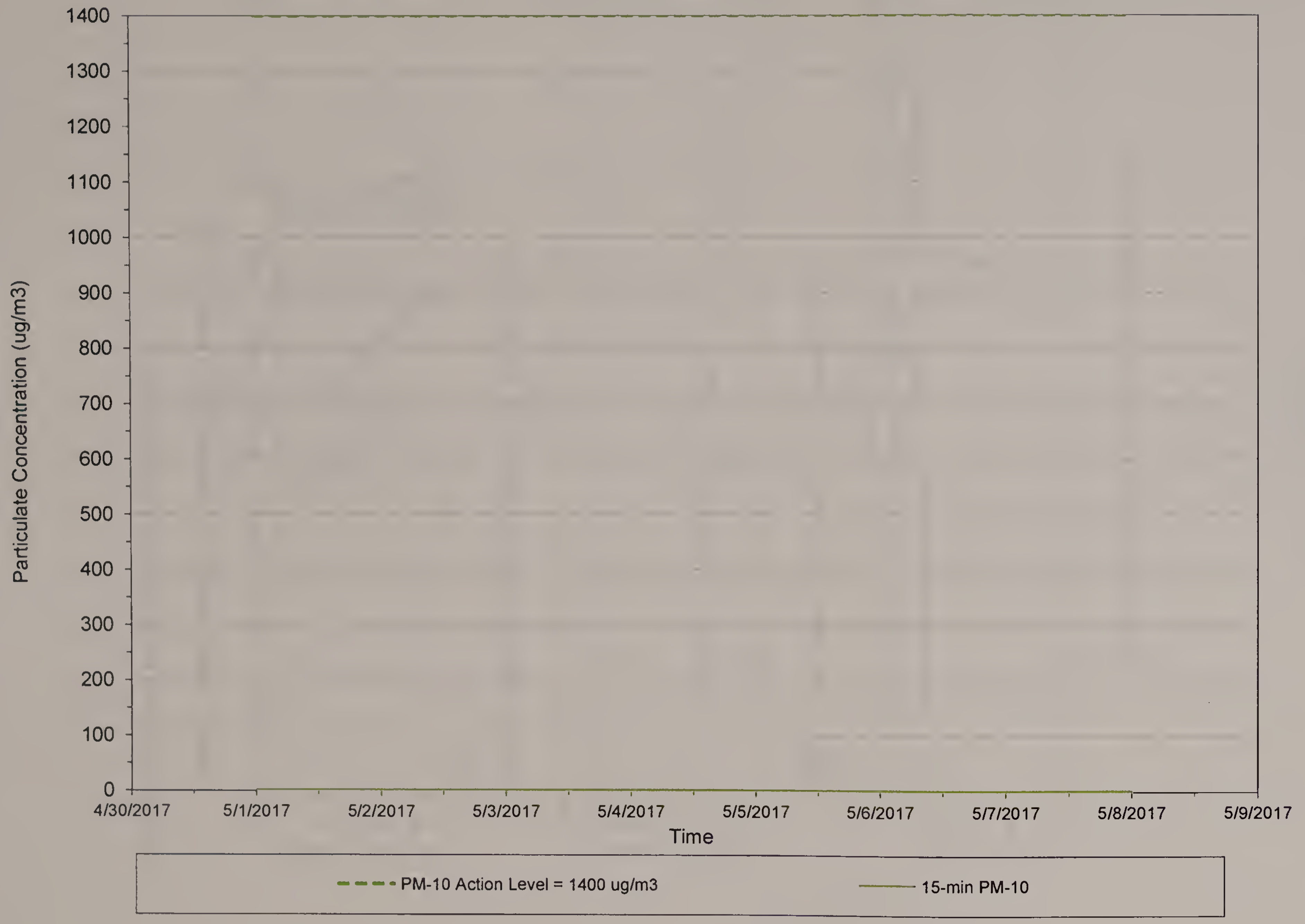
AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\May 2017\STA3_WEEKLYMay17.xls

May08,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.00

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
5/1/2017	0.00
5/2/2017	0.00
5/3/2017	0.00
5/4/2017	0.00
5/5/2017	0.00
5/6/2017	0.00
5/7/2017	0.00

Wind Summary Statistics	
CALM	5%
UW	0%
UW/CW	0%
CW	33%
CW/DW	2%
DW	10%
DW/CW	1%
CW/UW	48%
	%

AirLogics, LLC
Perimeter Air Monitoring Systems
Proactive by Design

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\May 2017\STA4_WEEKLYMay17.xls

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

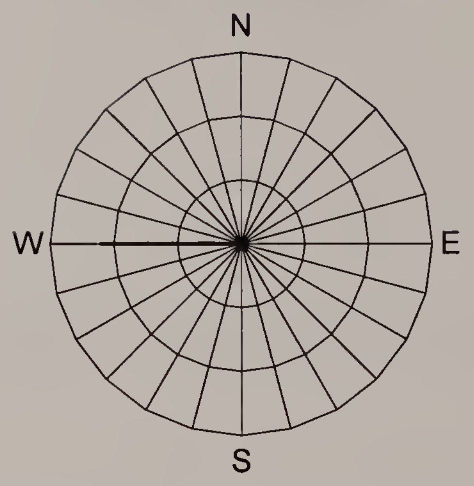


Figure 1. Wind rose for the period 5/1/2017 through 5/7/2017

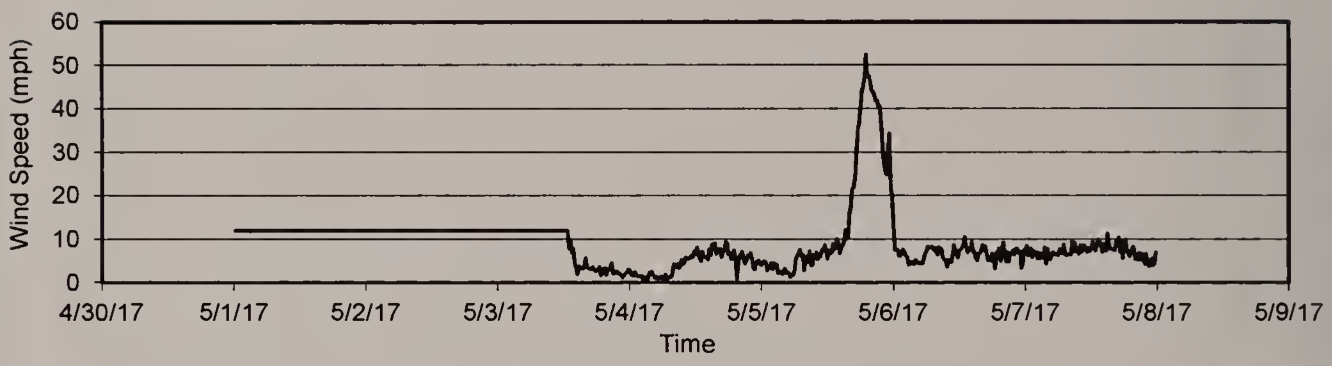


Figure 2. Wind speed for the period 5/1/2017 through 5/7/2017

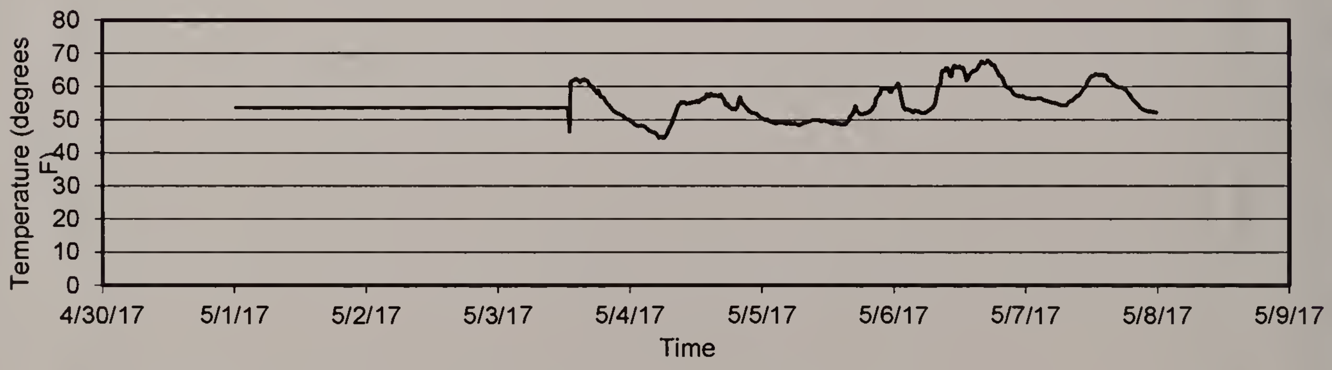


Figure 3. Temperature for the period 5/1/2017 through 5/7/2017

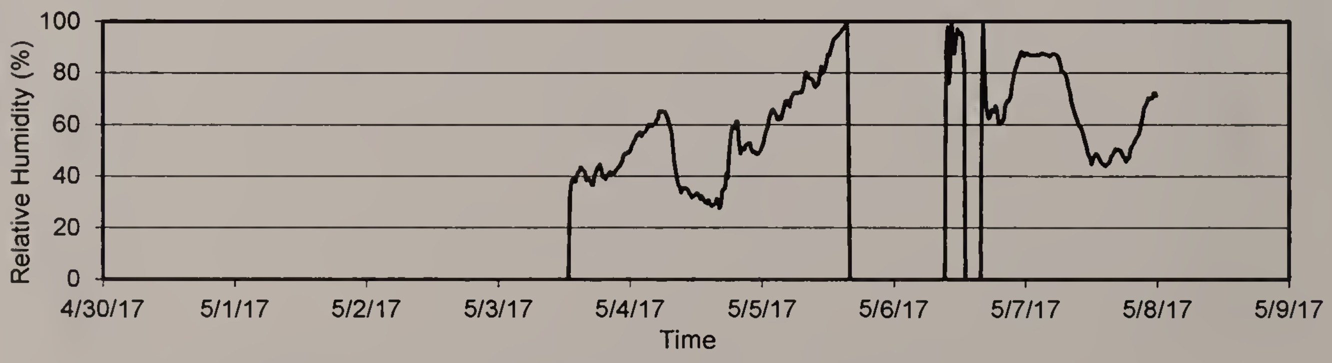


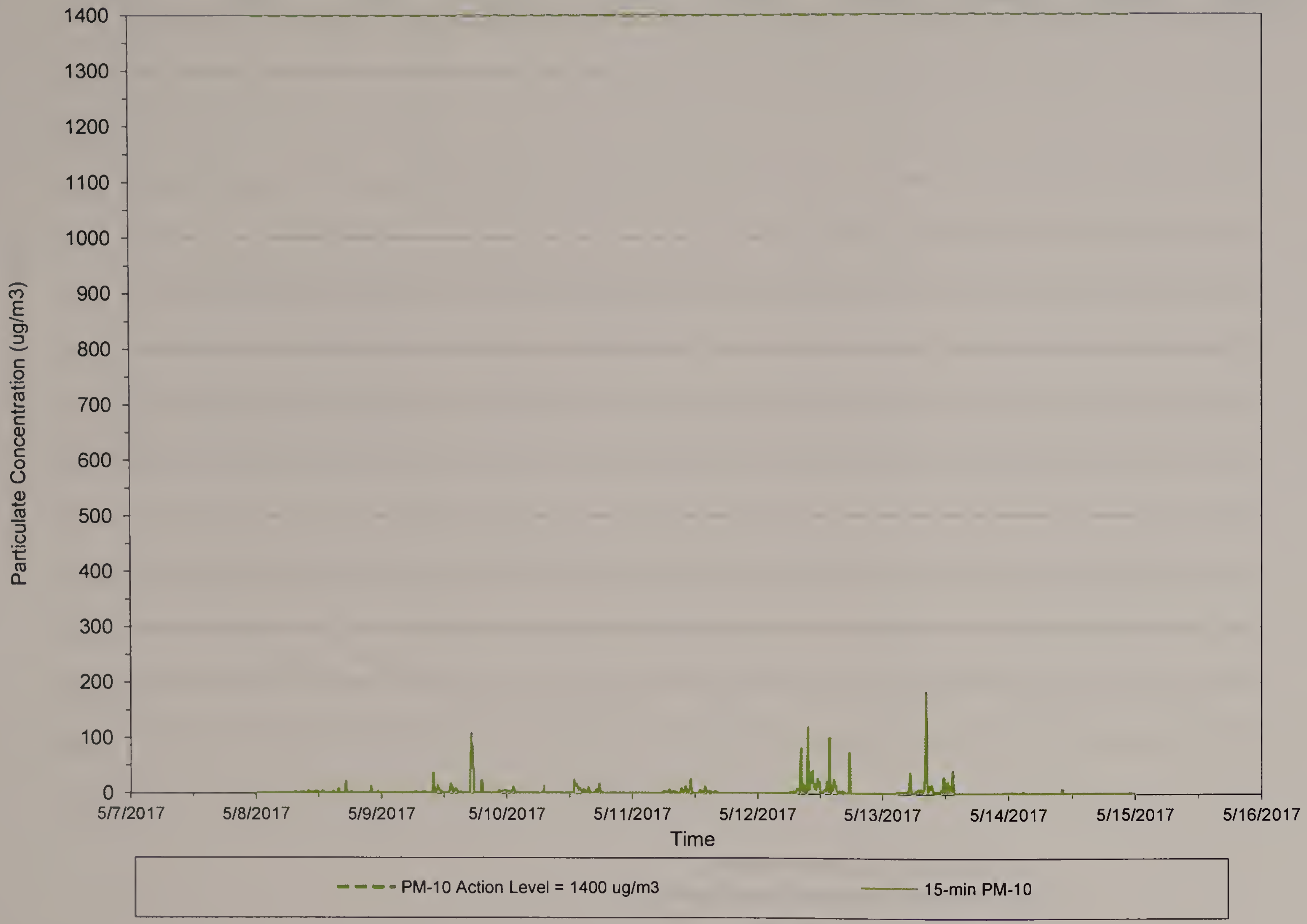
Figure 4. Relative humidity for the period 5/1/2017 through 5/7/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

May15,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 3.04

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
5/8/2017	20.78
5/9/2017	107.33
5/10/2017	24.22
5/11/2017	25.11
5/12/2017	118.91
5/13/2017	182.16
5/14/2017	7.19

Wind Summary Statistics	
CALM	18%
UW	23%
UW/CW	0%
CW	0%
CW/DW	6%
DW	26%
DW/CW	4%
CW/UW	24%
	%

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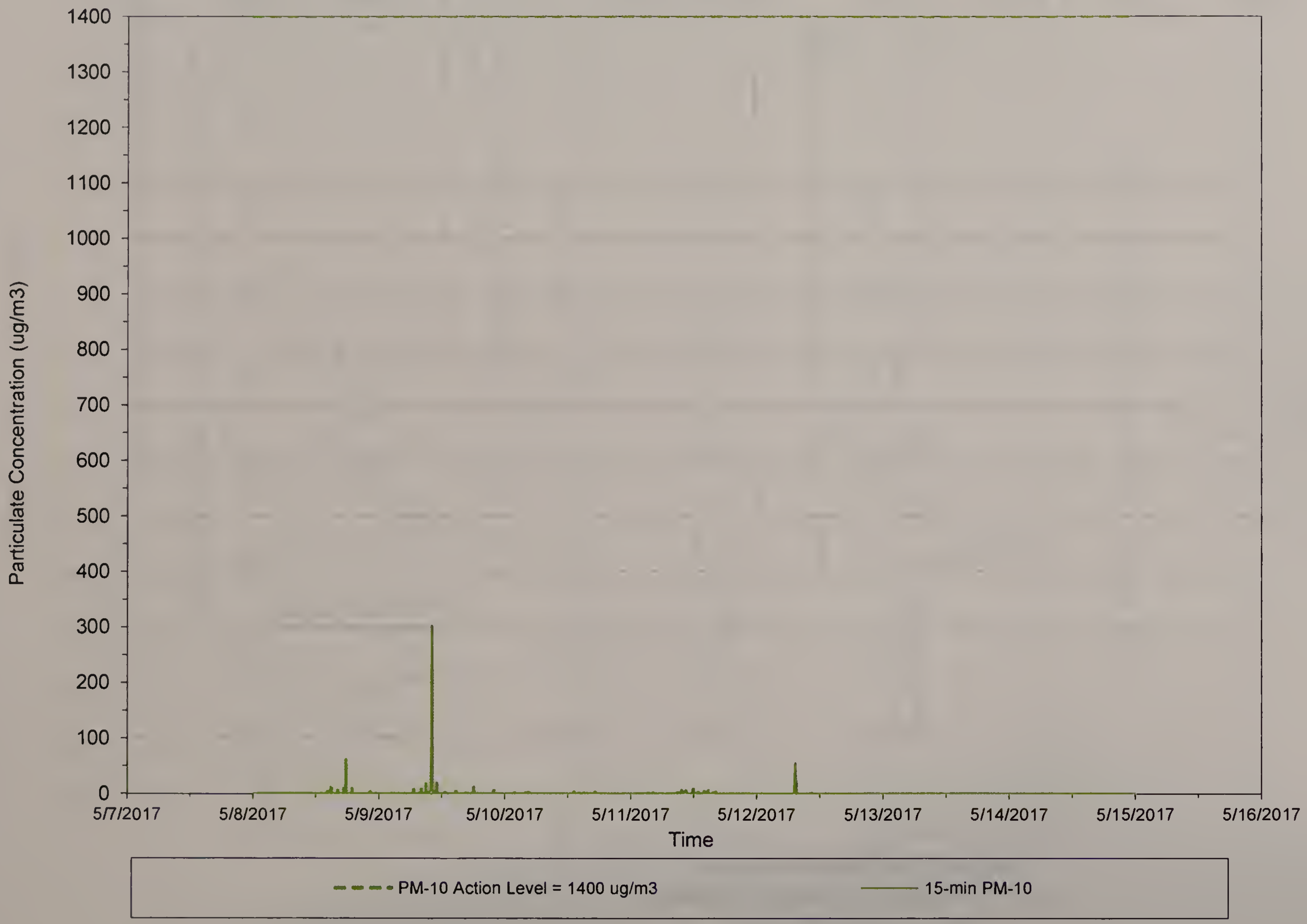
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\May 2017\STA1_WEEKLYMay17.xls

May15,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 1.04

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
5/8/2017	61.38
5/9/2017	300.92
5/10/2017	3.93
5/11/2017	8.71
5/12/2017	54.00
5/13/2017	0.00
5/14/2017	0.00

Wind Summary Statistics	
CALM	18%
UW	22%
UW/CW	0%
CW	4%
CW/DW	4%
DW	45%
DW/CW	6%
CW/UW	1%
	%

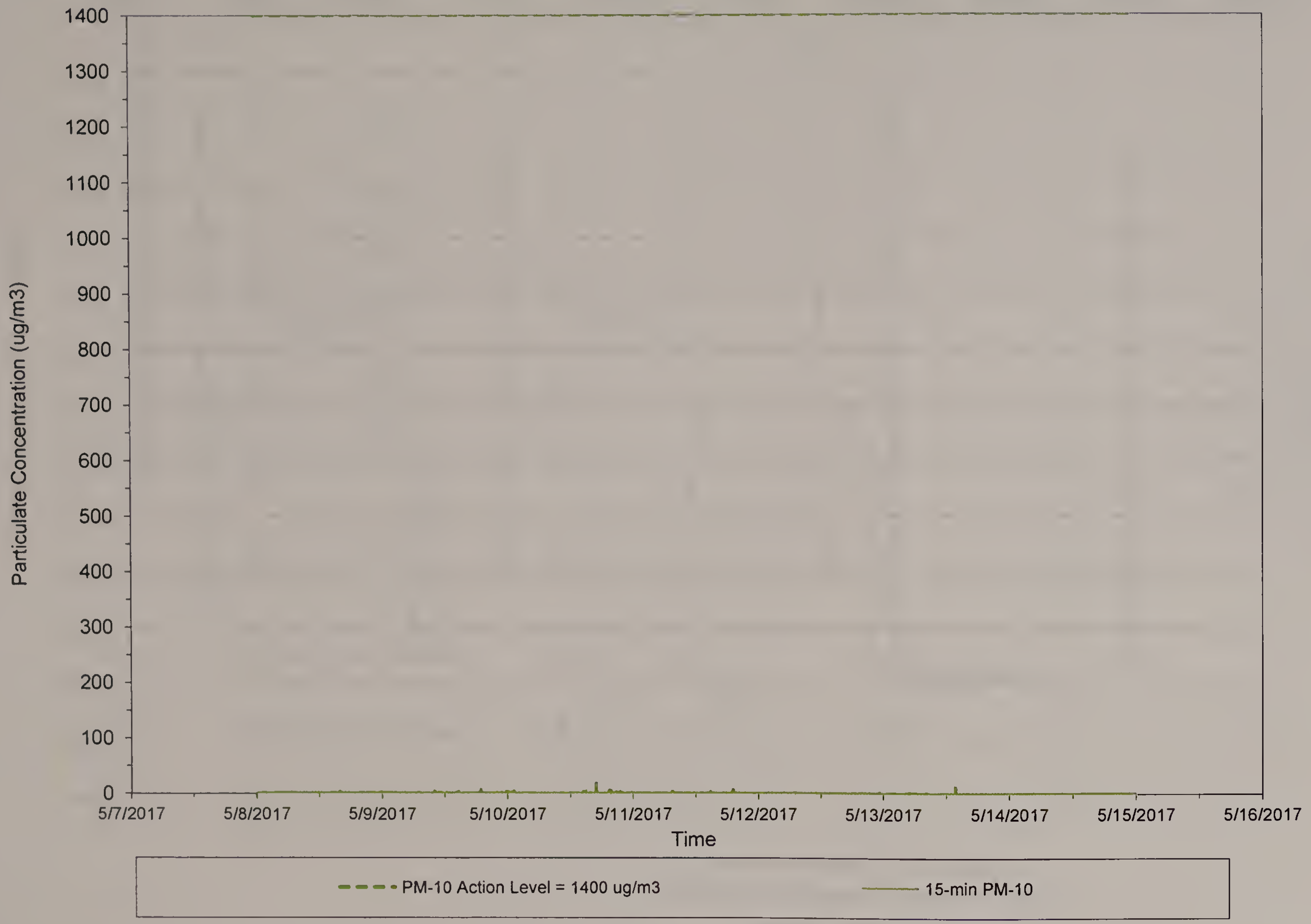
Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\May 2017\STA2_WEEKLYMay17.xls

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

May15,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.54

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
5/8/2017	3.19
5/9/2017	6.59
5/10/2017	17.86
5/11/2017	6.85
5/12/2017	2.02
5/13/2017	12.05
5/14/2017	0.55

Wind Summary Statistics	
CALM	18%
UW	22%
UW/CW	0%
CW	0%
CW/DW	0%
DW	40%
DW/CW	0%
CW/UW	21%
	%

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Perimeter Air Monitoring Systems
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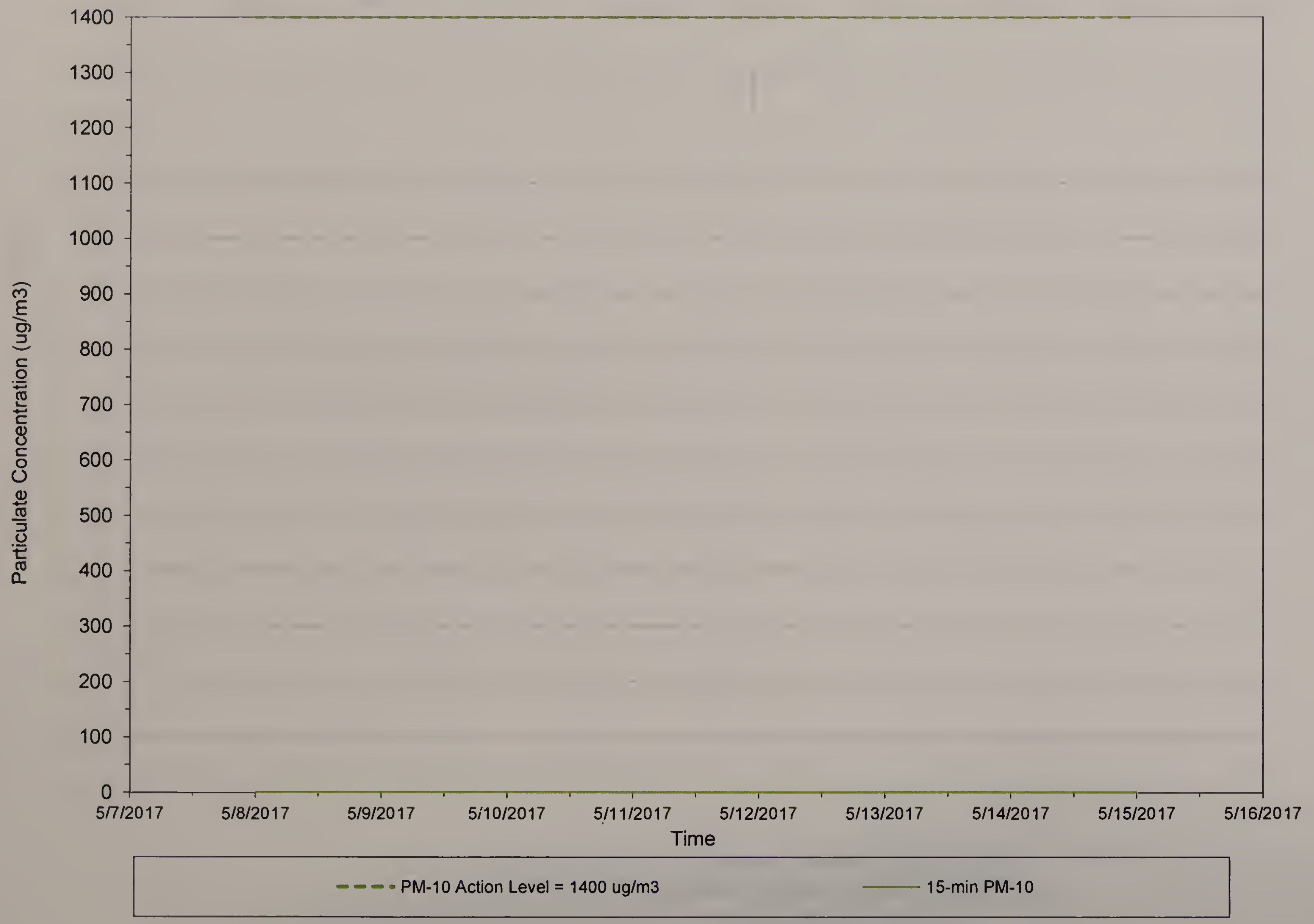
May15,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg =	0.00

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
5/8/2017	0.00
5/9/2017	0.00
5/10/2017	0.00
5/11/2017	0.00
5/12/2017	0.00
5/13/2017	0.00
5/14/2017	0.00

Wind Summary Statistics	
CALM	18%
UW	0%
UW/CW	0%
CW	35%
CW/DW	6%
DW	16%
DW/CW	0%
CW/UW	26%
	%

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PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\May 2017\STA4_WEEKLYMay17.xls

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

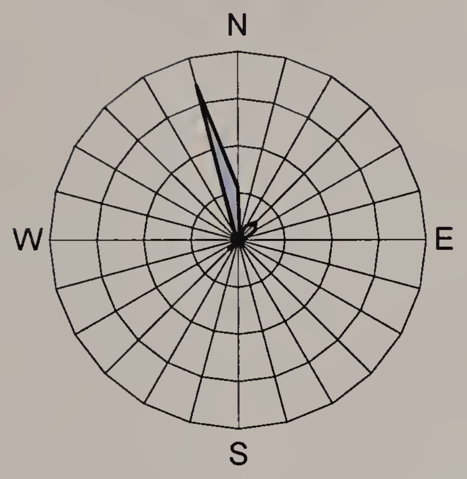


Figure 1. Wind rose for the period 5/8/2017 through 5/14/2017

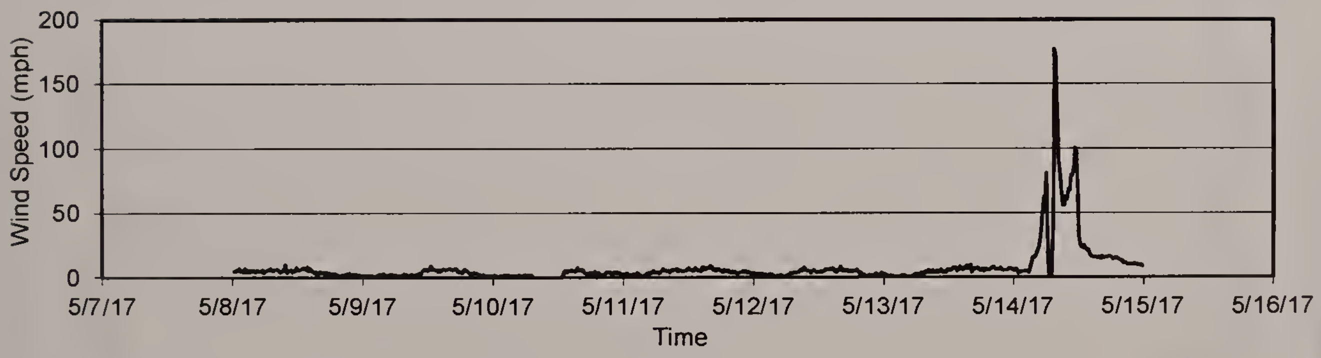


Figure 2. Wind speed for the period 5/8/2017 through 5/14/2017

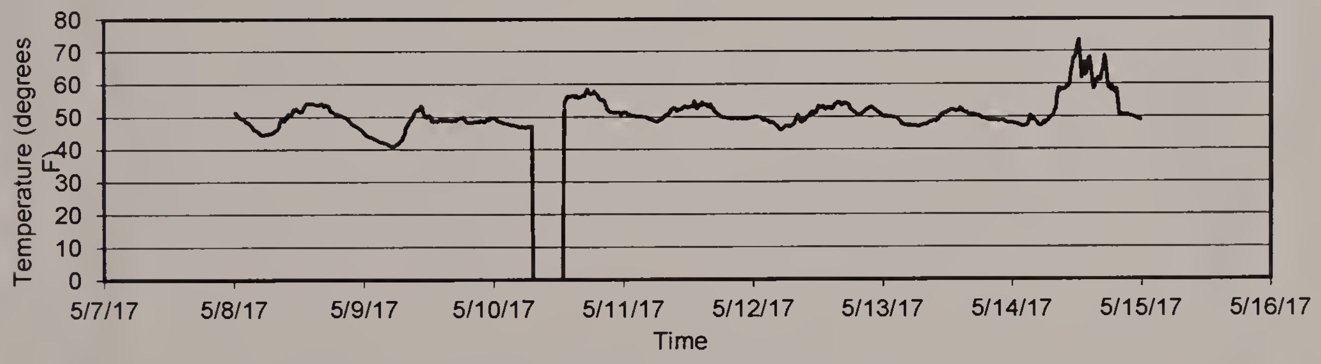


Figure 3. Temperature for the period 5/8/2017 through 5/14/2017

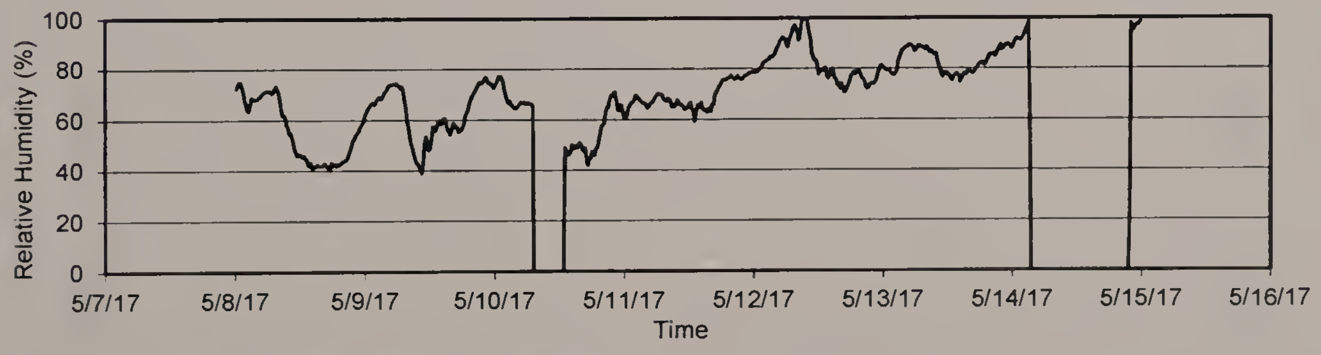


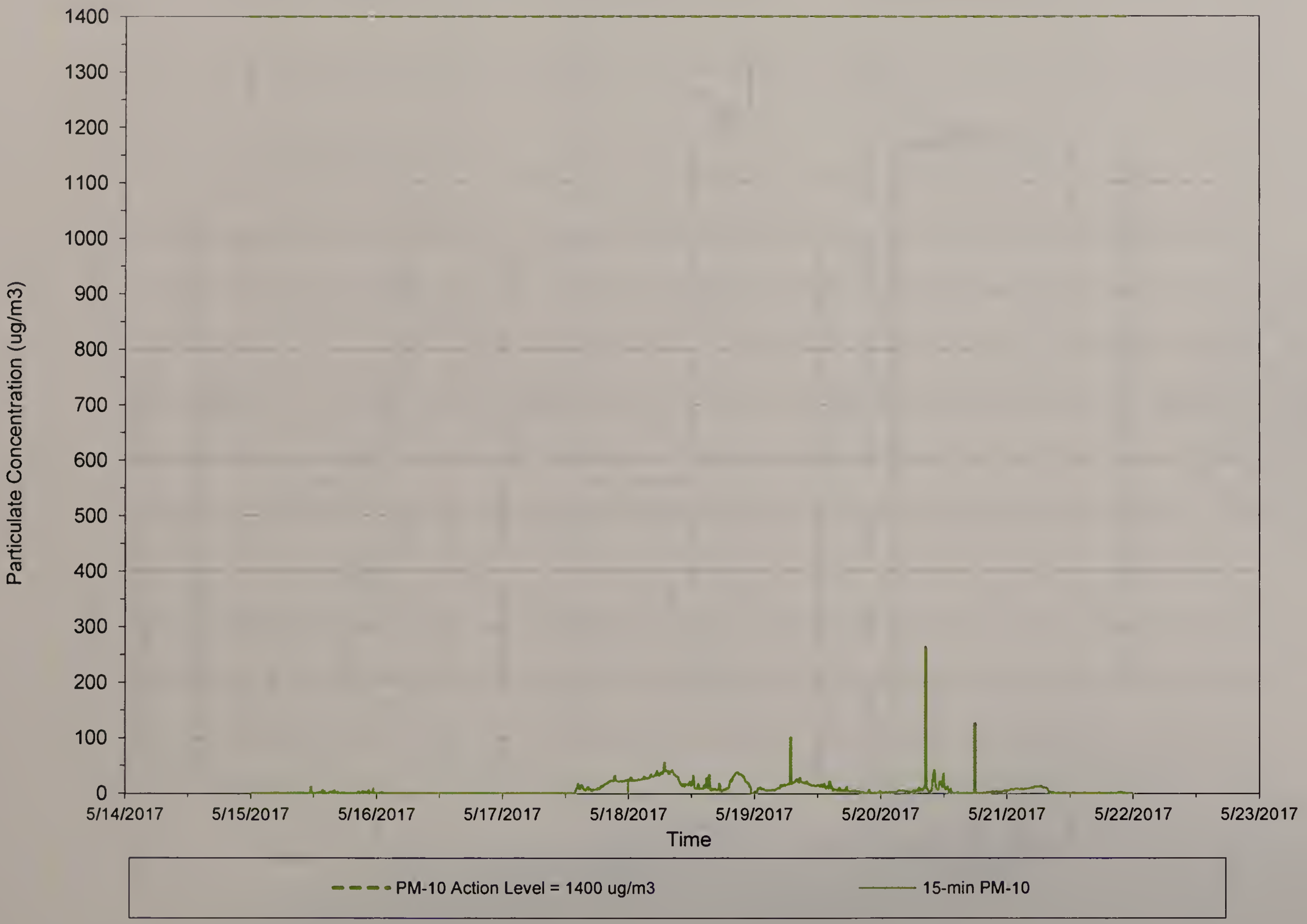
Figure 4. Relative humidity for the period 5/8/2017 through 5/14/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

May22,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 7.32

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
5/15/2017	11.18
5/16/2017	1.64
5/17/2017	31.29
5/18/2017	55.42
5/19/2017	100.31
5/20/2017	263.19
5/21/2017	13.55

Wind Summary Statistics	
CALM	16%
UW	5%
UW/CW	0%
CW	0%
CW/DW	2%
DW	37%
DW/CW	8%
CW/UW	31%
	%[illegible]

AirLogics, LLC
Perimeter Air Monitoring Systems
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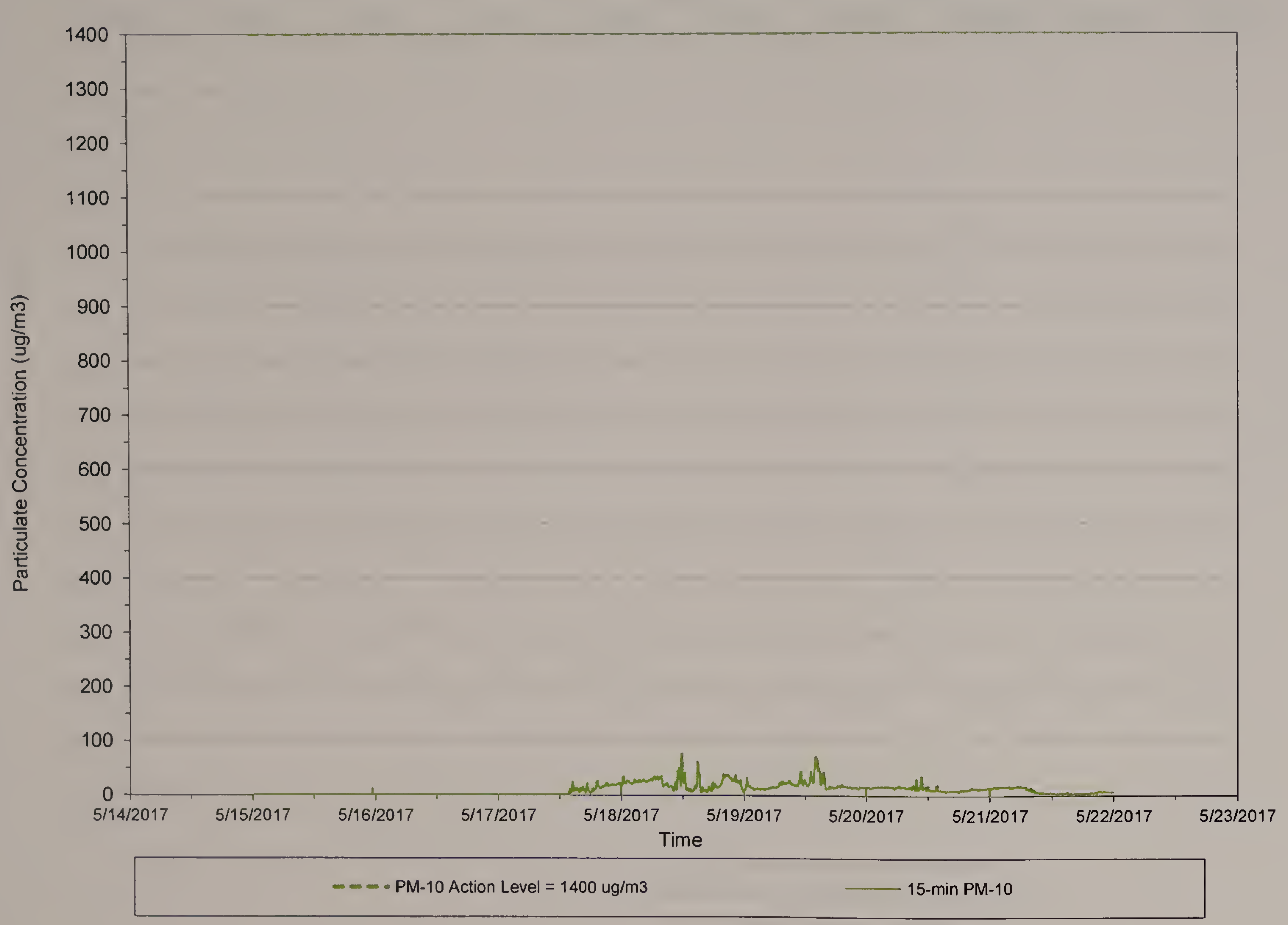
May22,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 9.76

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
5/15/2017	11.37
5/16/2017	0.00
5/17/2017	25.63
5/18/2017	75.92
5/19/2017	70.67
5/20/2017	34.77
5/21/2017	16.83

Wind Summary Statistics	
CALM	16%
UW	13%
UW/CW	2%
CW	20%
CW/DW	9%
DW	40%
DW/CW	1%
CW/UW	0%
	%

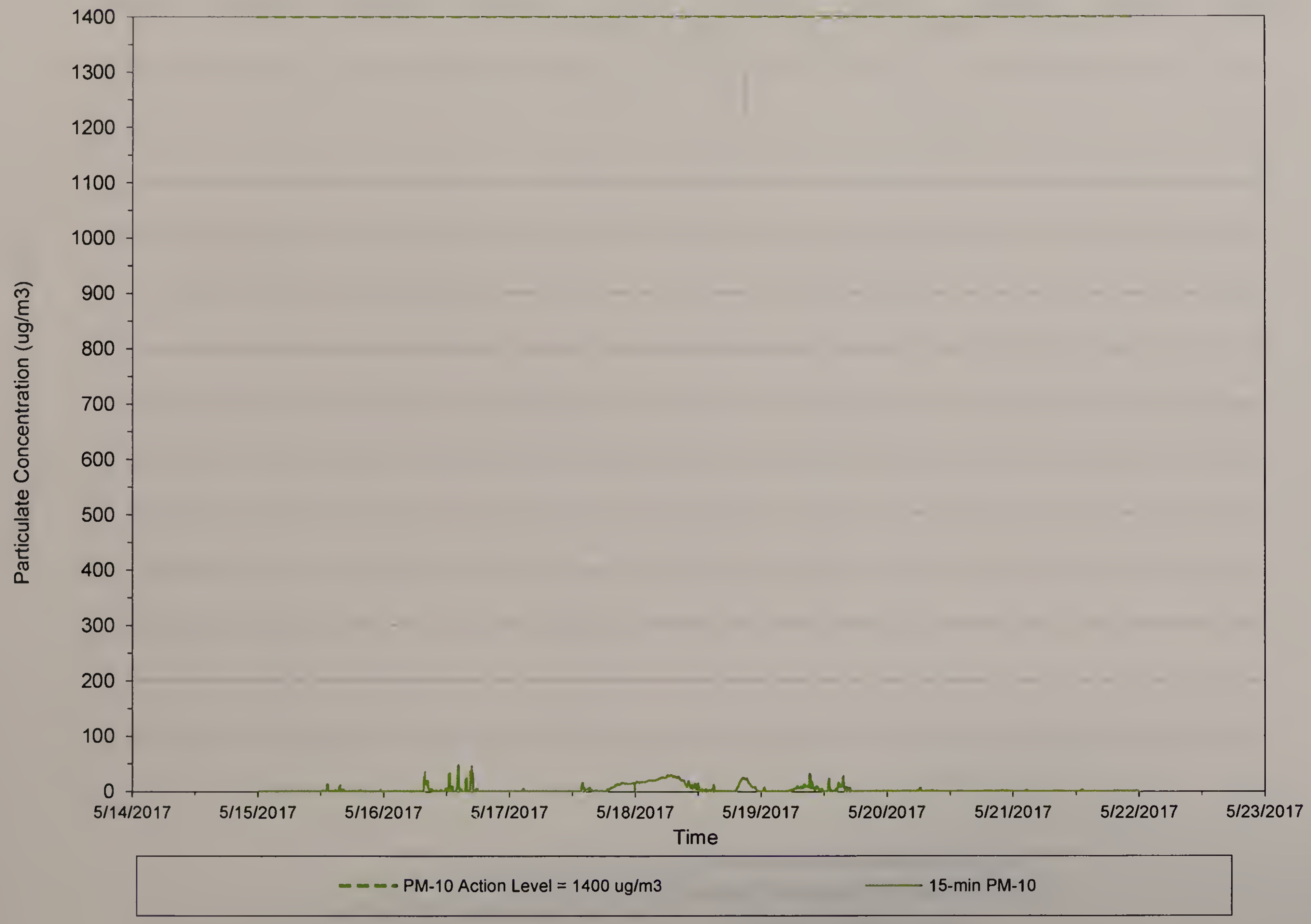
AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\May 2017\STA2_WEEKLYMay17.xls

May22,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 3.37

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
5/15/2017	12.87
5/16/2017	47.91
5/17/2017	15.43
5/18/2017	29.18
5/19/2017	31.37
5/20/2017	5.75
5/21/2017	2.16

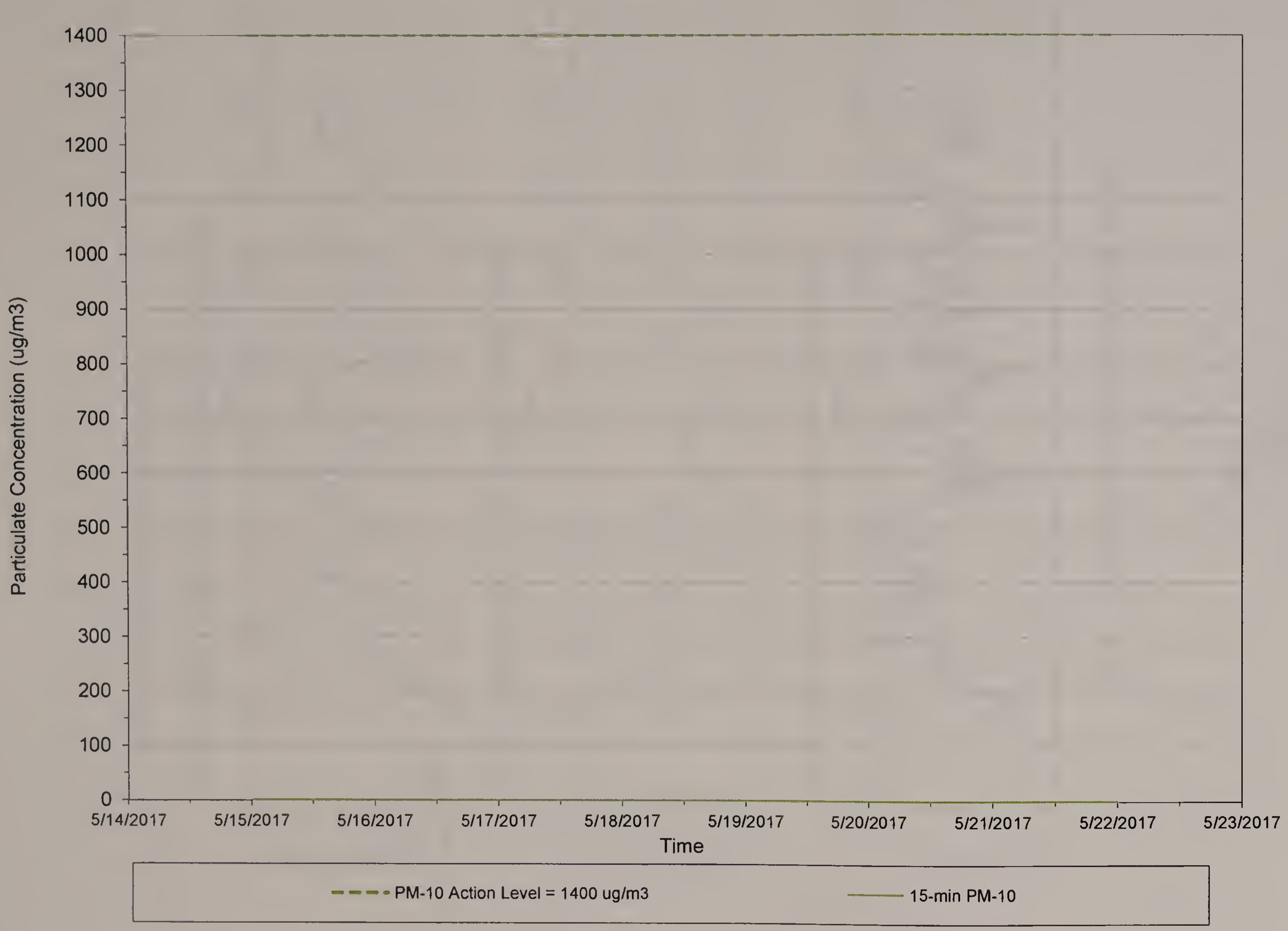
Wind Summary Statistics	
CALM	16%
UW	49%
UW/CW	0%
CW	0%
CW/DW	0%
DW	11%
DW/CW	0%
CW/UW	24%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\May 2017\STA3_WEEKLYMay17.xls

May22,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.00

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
5/15/2017	0.00
5/16/2017	0.00
5/17/2017	0.00
5/18/2017	0.00
5/19/2017	0.00
5/20/2017	0.00
5/21/2017	0.00

Wind Summary Statistics	
CALM	16%
UW	0%
UW/CW	0%
CW	38%
CW/DW	2%
DW	8%
DW/CW	0%
CW/UW	35%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\May 2017\STA4_WEEKLYMay17.xls

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PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

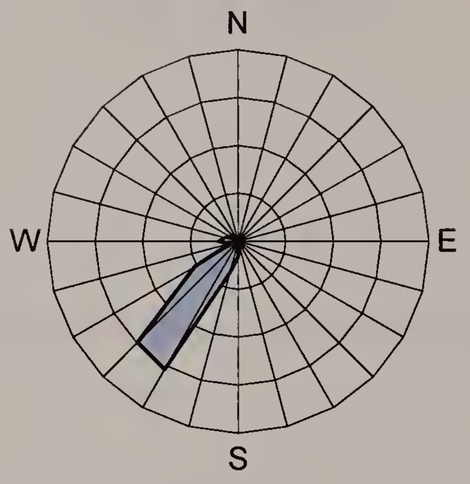


Figure 1. Wind rose for the period 5/15/2017 through 5/21/2017

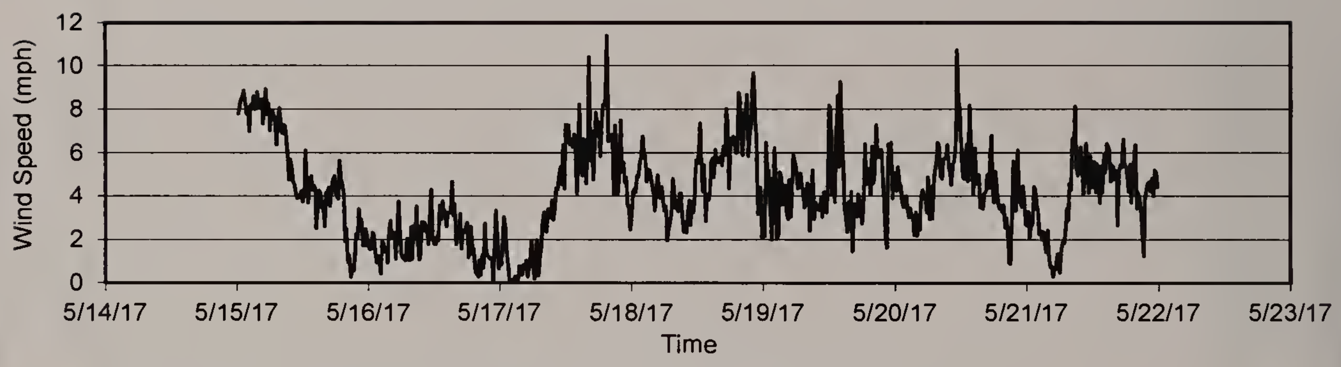


Figure 2. Wind speed for the period 5/15/2017 through 5/21/2017

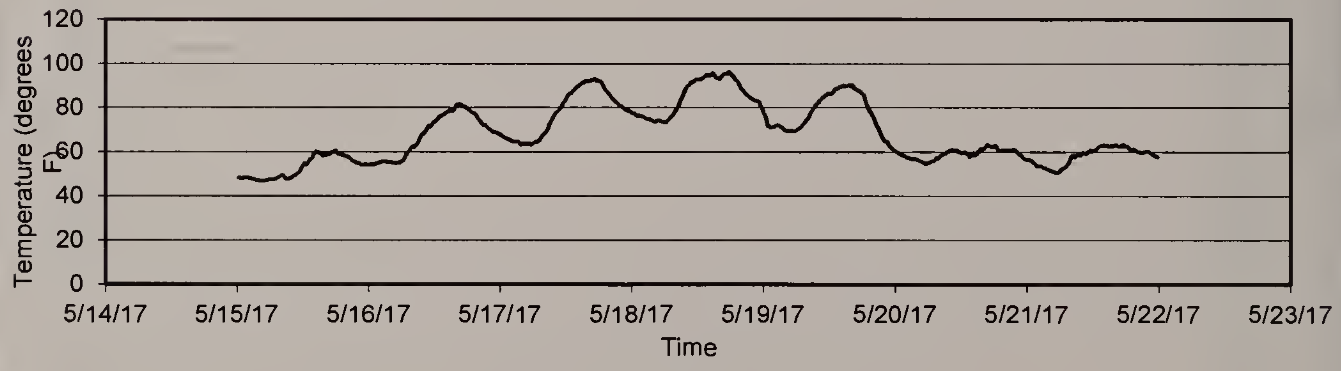


Figure 3. Temperature for the period 5/15/2017 through 5/21/2017

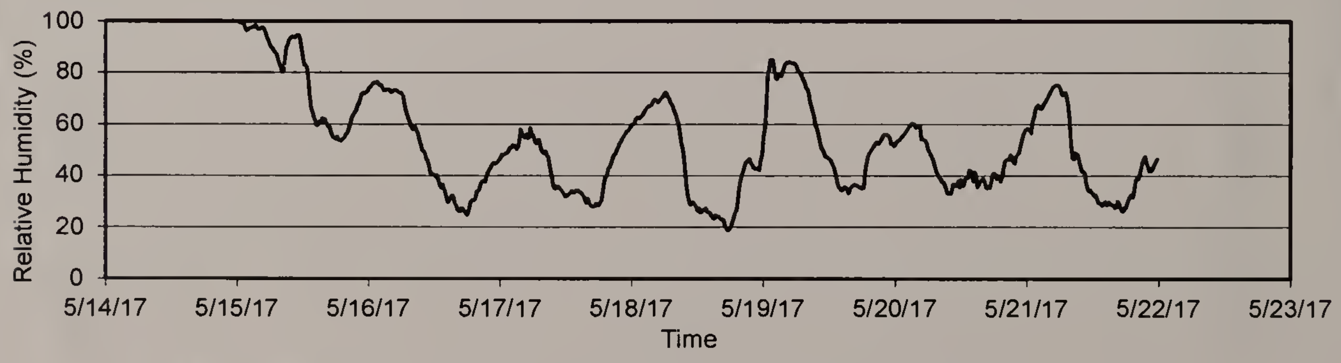


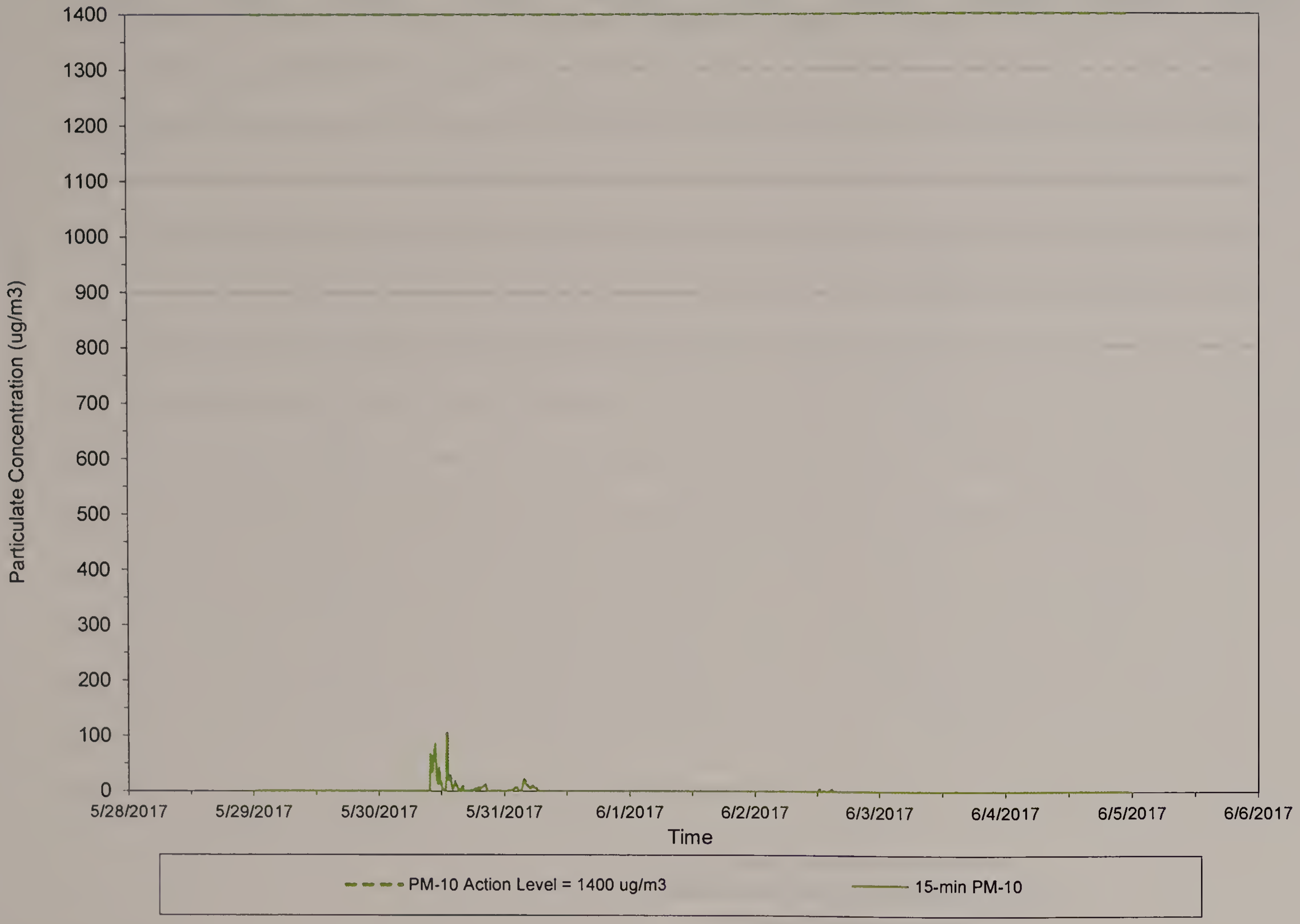
Figure 4. Relative humidity for the period 5/15/2017 through 5/21/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Jun05,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 1.52

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
5/29/2017	#DIV/0!
5/30/2017	104.78
5/31/2017	20.78
6/1/2017	0.00
6/2/2017	3.75
6/3/2017	1.06
6/4/2017	0.31

Wind Summary Statistics

CALM	15%
UW	22%
UW/CW	0%
CW	0%
CW/DW	0%
DW	51%
DW/CW	1%
CW/UW	11%
TOTAL	100%

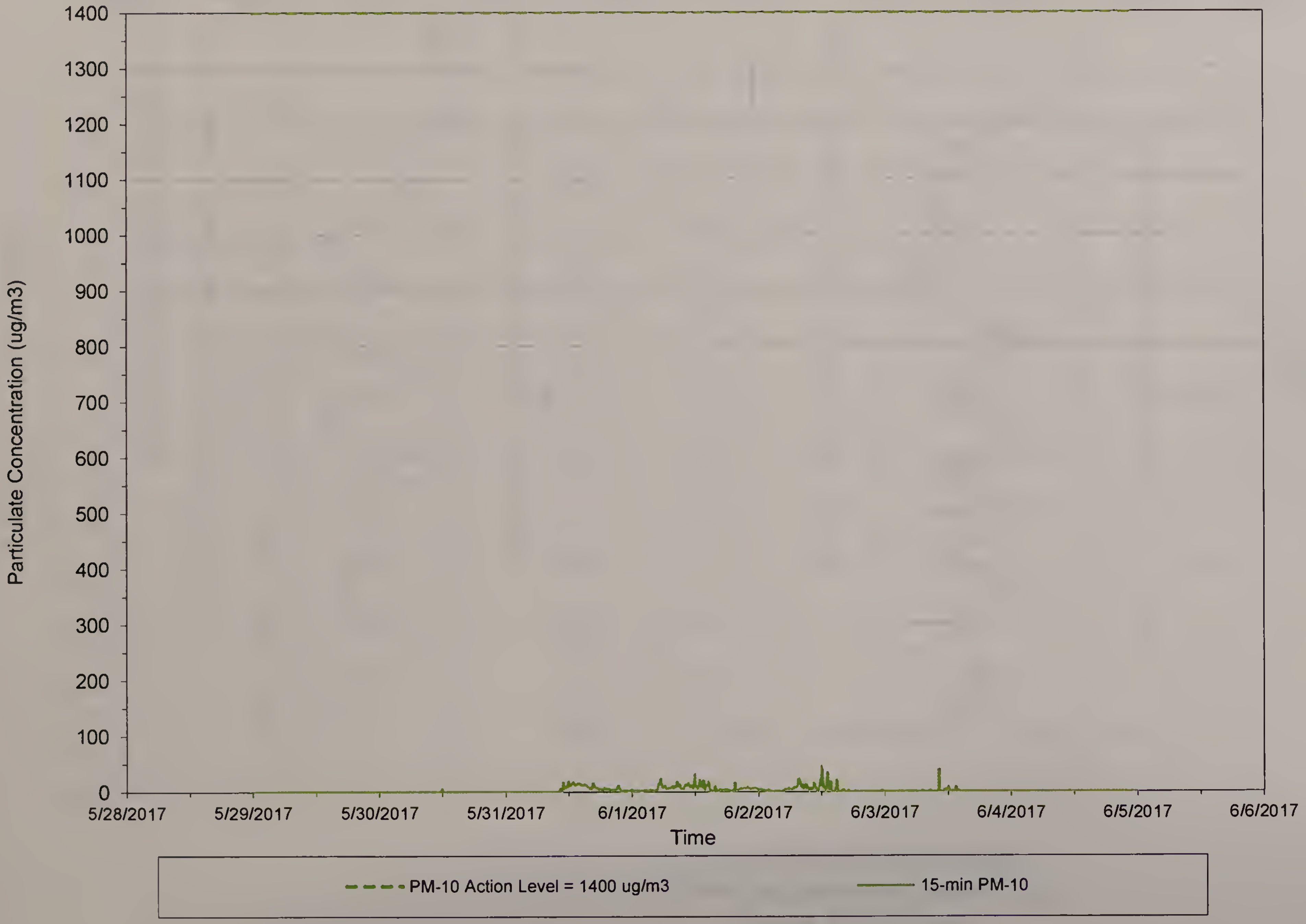
Filename: C:\Users\douglas.maguire\Desktop\My Jobs\Wynn Casino, Everett\Wynn AirLogics\June 2017\STA1_WEEKLYJun17

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS

Jun05,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 2.77

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
5/29/2017	#DIV/0!
5/30/2017	5.06
5/31/2017	18.56
6/1/2017	30.65
6/2/2017	44.98
6/3/2017	38.98
6/4/2017	1.21

Wind Summary Statistics	
CALM	15%
UW	37%
UW/CW	3%
CW	10%
CW/DW	1%
DW	32%
DW/CW	1%
CW/UW	0%
TOTAL	100%

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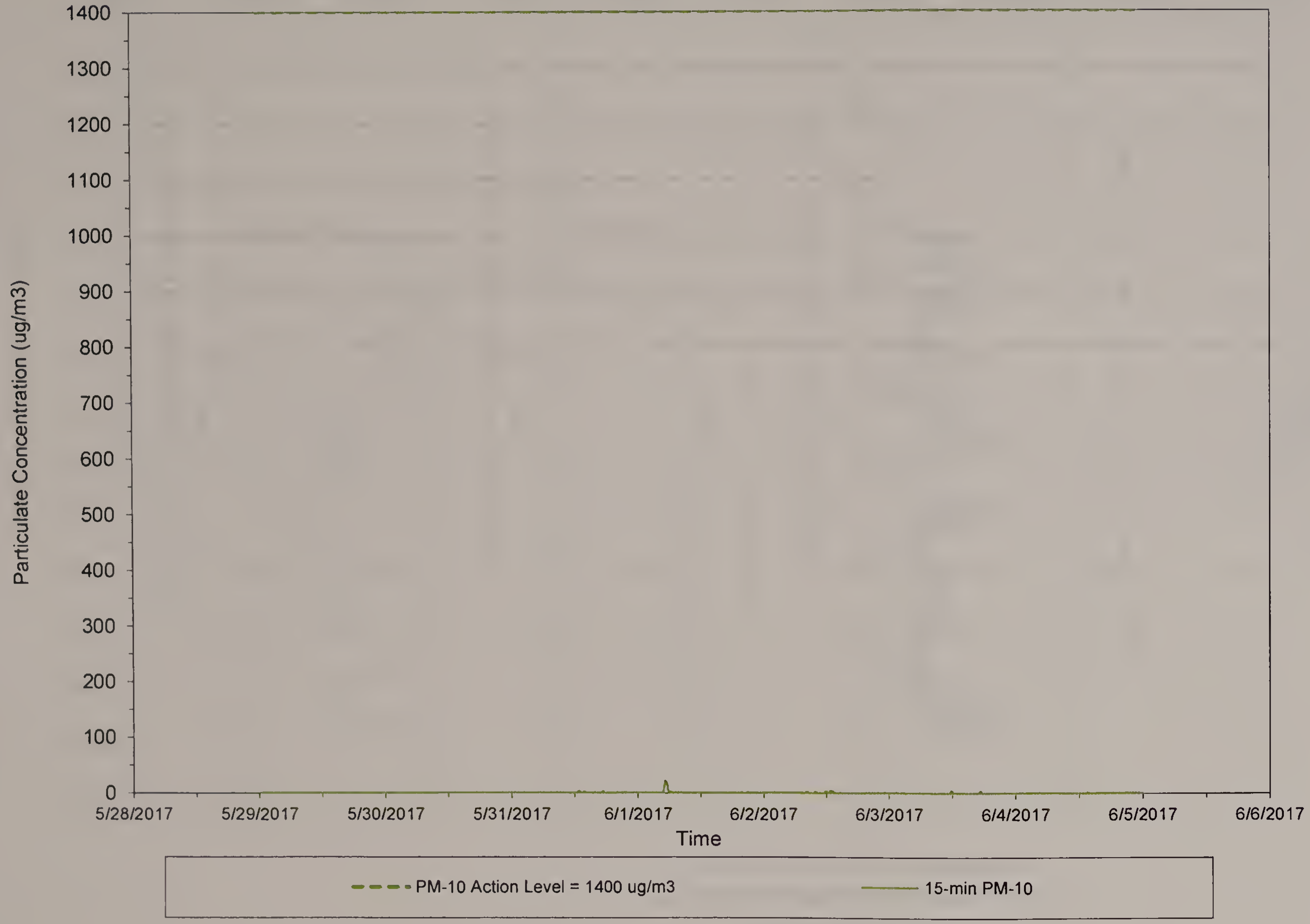
Jun05,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.50

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
5/29/2017	#DIV/0!
5/30/2017	0.61
5/31/2017	2.68
6/1/2017	21.23
6/2/2017	4.14
6/3/2017	4.10
6/4/2017	1.14

Wind Summary Statistics	
CALM	15%
UW	53%
UW/CW	0%
CW	0%
CW/DW	0%
DW	24%
DW/CW	0%
CW/UW	9%
TOTAL	100%

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS

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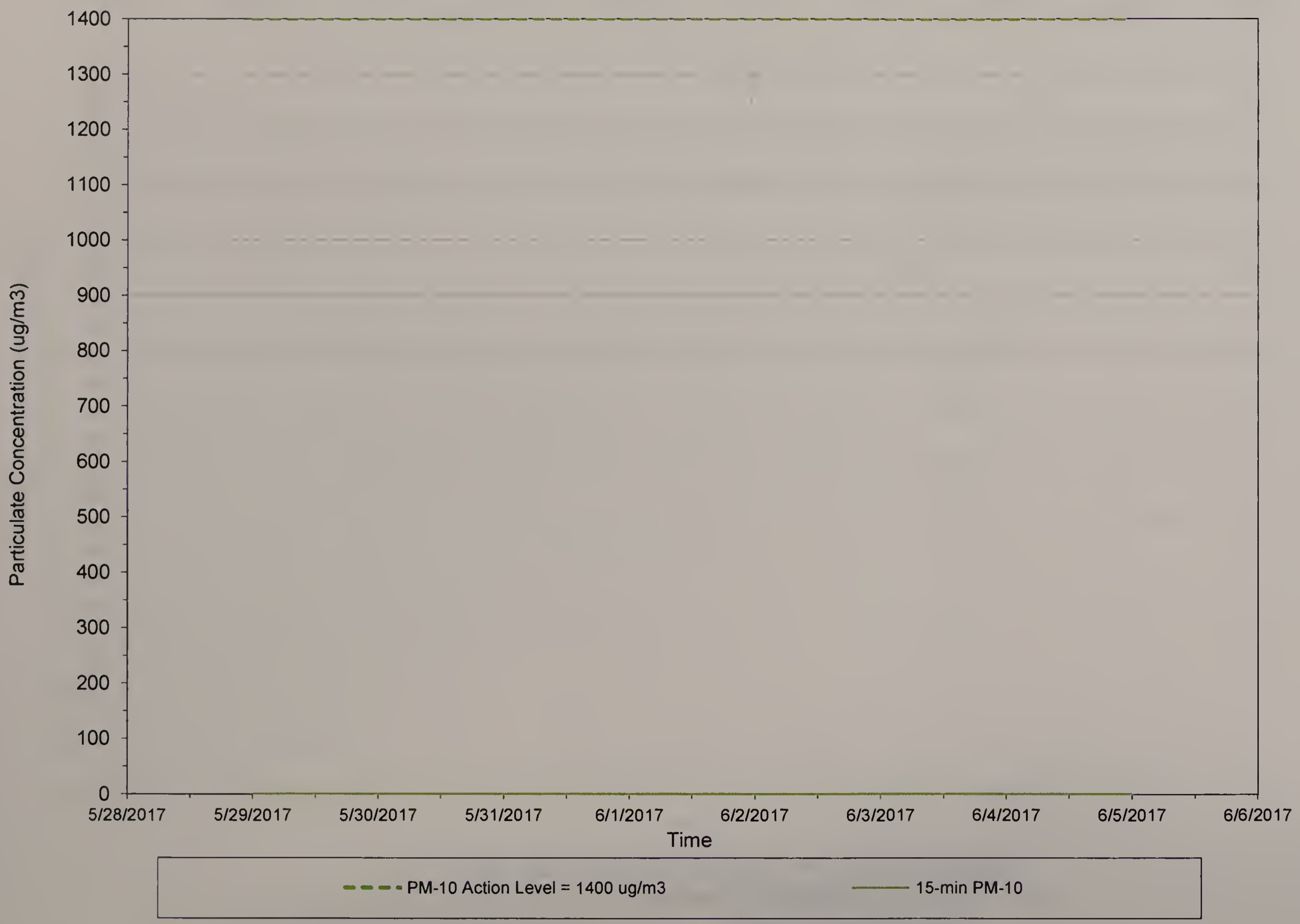
Jun05,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.00

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
5/29/2017	#DIV/0!
5/30/2017	0.00
5/31/2017	0.00
6/1/2017	0.00
6/2/2017	0.00
6/3/2017	0.00
6/4/2017	0.00

Wind Summary Statistics	
CALM	15%
UW	0%
UW/CW	0%
CW	48%
CW/DW	0%
DW	17%
DW/CW	9%
CW/UW	11%
TOTAL	100%

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS

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Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

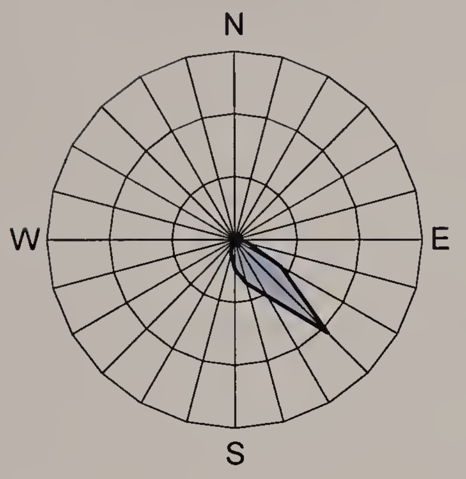


Figure 1. Wind rose for the period 5/29/2017 through 6/4/2017

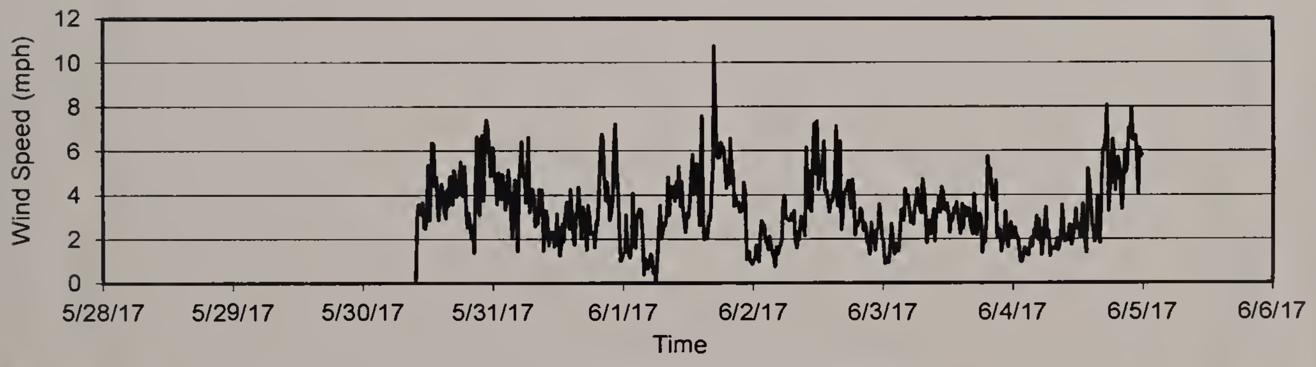


Figure 2. Wind speed for the period 5/29/2017 through 6/4/2017

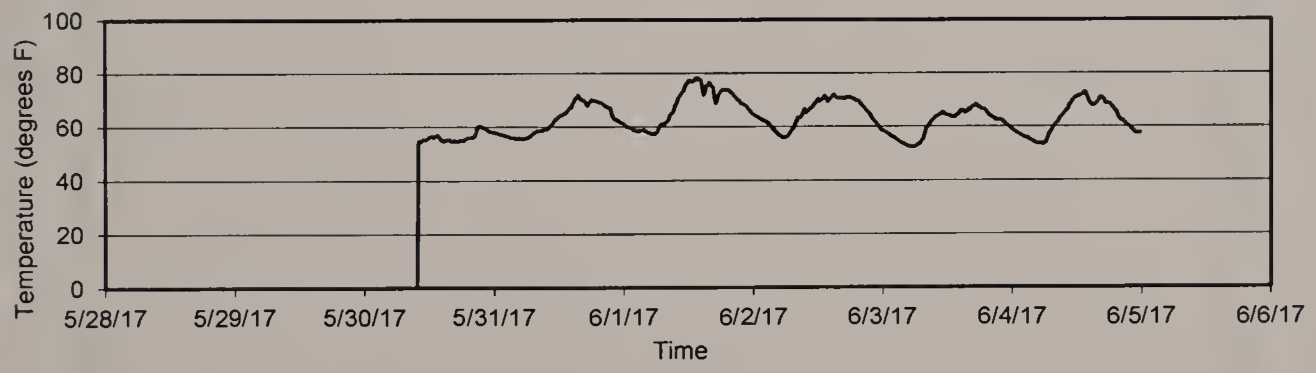


Figure 3. Temperature for the period 5/29/2017 through 6/4/2017

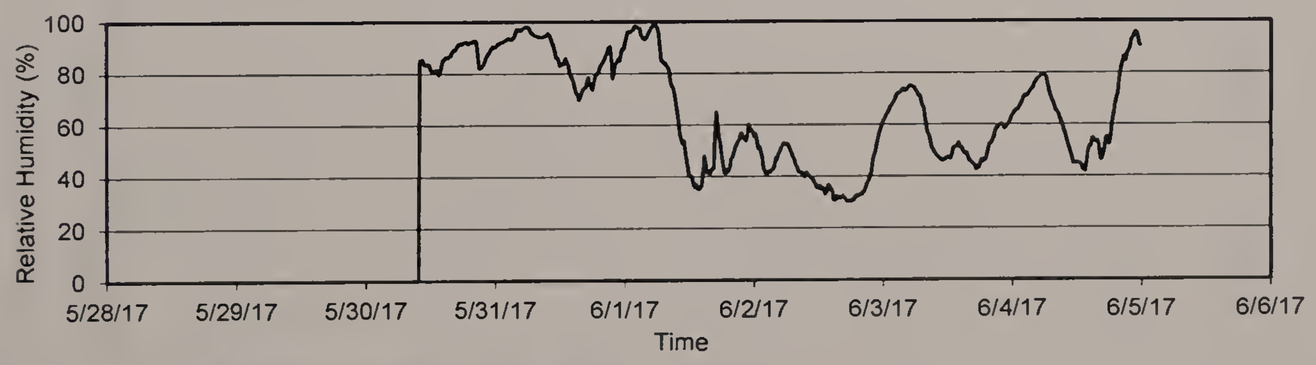


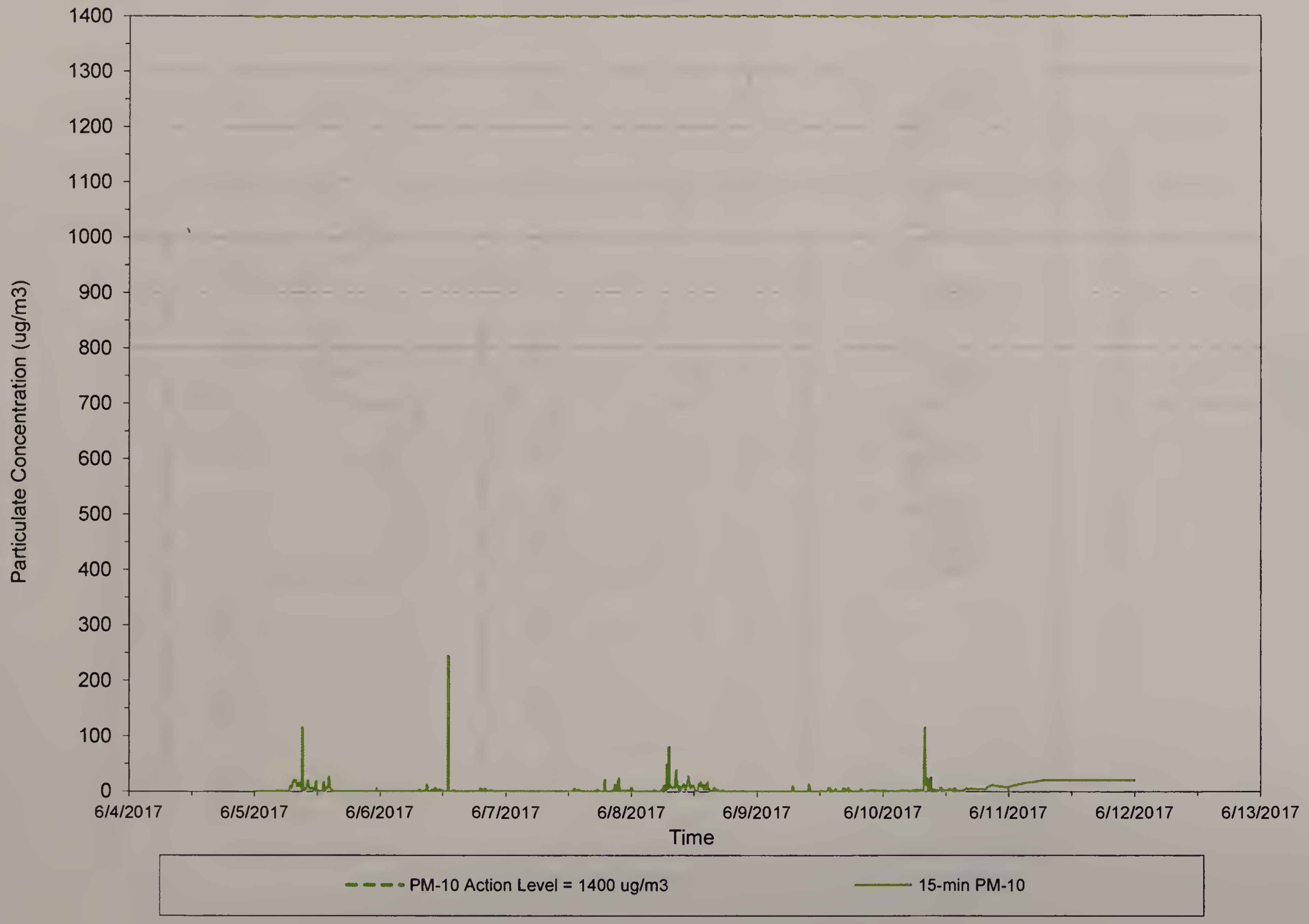
Figure 4. Relative humidity for the period 5/29/2017 through 6/4/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Jun12,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg =	5.28

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
6/5/2017	114.72
6/6/2017	243.80
6/7/2017	23.11
6/8/2017	79.73
6/9/2017	12.56
6/10/2017	114.88
6/11/2017	20.29

Wind Summary Statistics	
CALM	5%
UW	3%
UW/CW	0%
CW	0%
CW/DW	0%
DW	2%
DW/CW	0%
CW/UW	89%
TOTAL	100%

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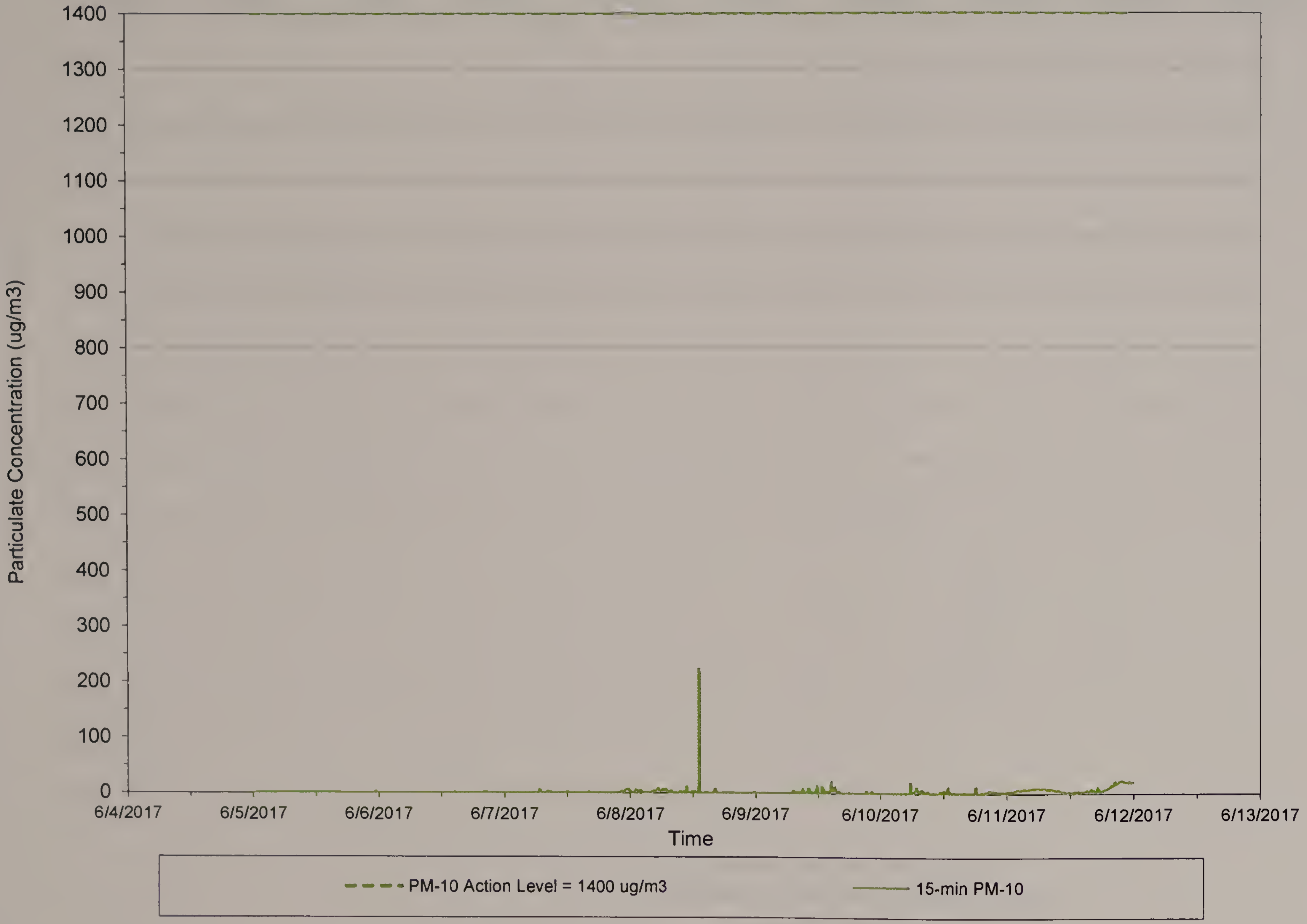
Jun12,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 2.19

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
6/5/2017	2.45
6/6/2017	1.73
6/7/2017	7.16
6/8/2017	223.04
6/9/2017	20.75
6/10/2017	19.43
6/11/2017	22.55

Wind Summary Statistics

CALM	5%
UW	2%
UW/CW	0%
CW	0%
CW/DW	0%
DW	91%
DW/CW	1%
CW/UW	0%
TOTAL	100%

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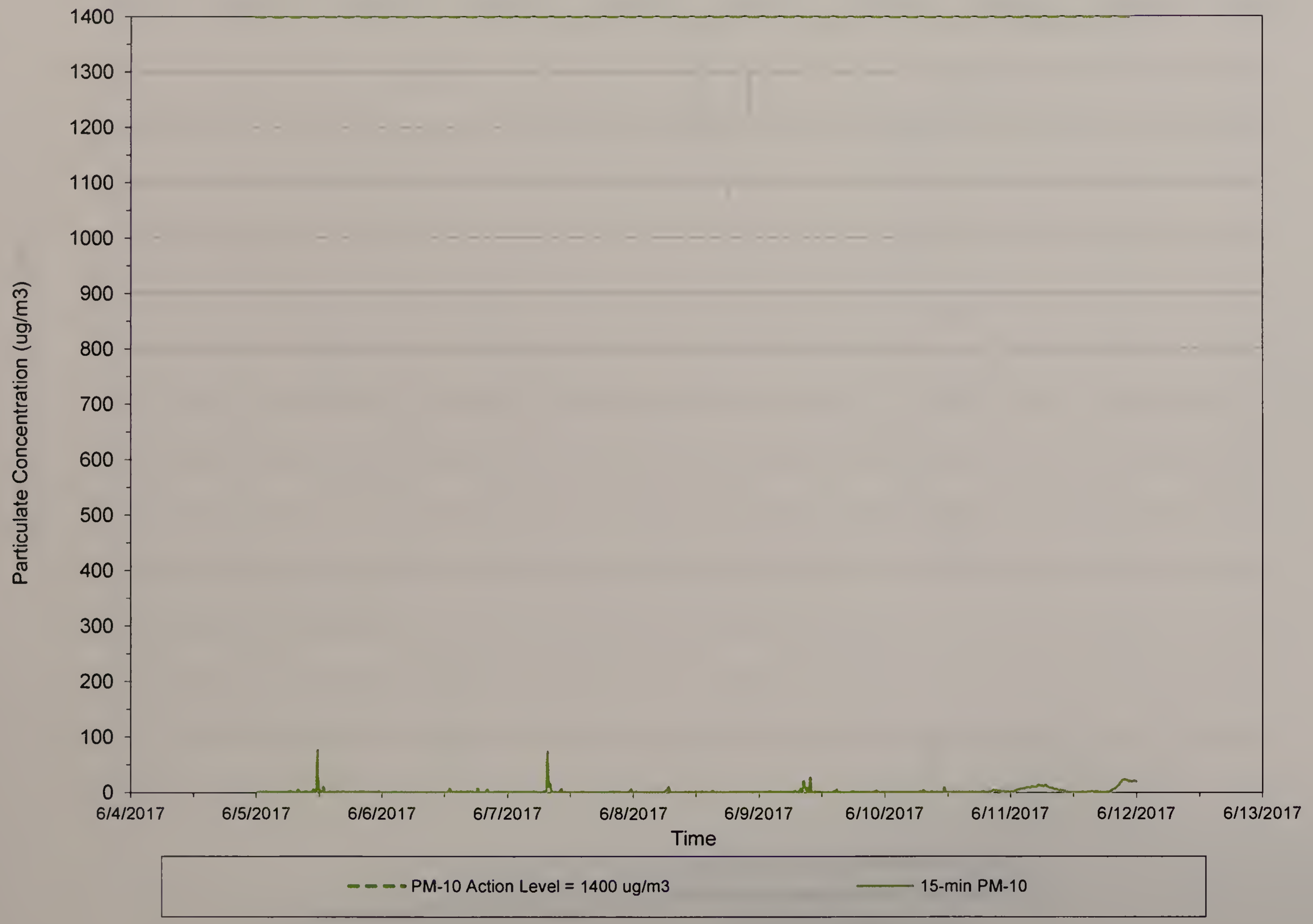
AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS

Jun12,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 1.68

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
6/5/2017	75.07
6/6/2017	6.63
6/7/2017	73.36
6/8/2017	8.71
6/9/2017	26.40
6/10/2017	8.04
6/11/2017	22.78

Wind Summary Statistics	
CALM	5%
UW	3%
UW/CW	0%
CW	0%
CW/DW	0%
DW	3%
DW/CW	0%
CW/UW	88%
TOTAL	100%

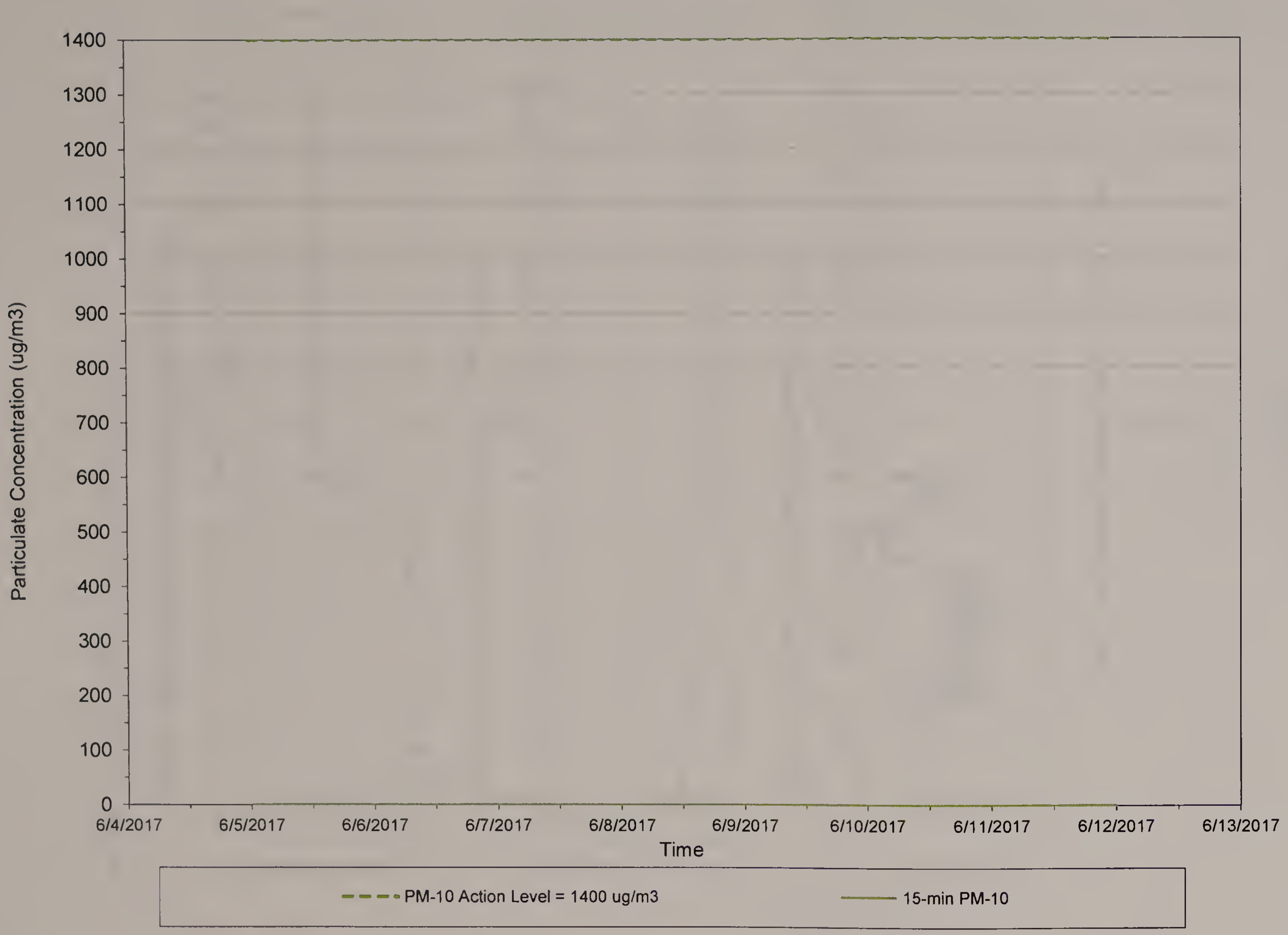
AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS

Filename: C:\Users\douglas.maguire\Desktop\My Jobs\Wynn Casino, Everett\Wynn AirLogics\June 2017\STA3_WEEKLYJun17

Jun12,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.00

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
6/5/2017	0.00
6/6/2017	0.00
6/7/2017	0.00
6/8/2017	0.00
6/9/2017	0.00
6/10/2017	0.00
6/11/2017	0.00

Wind Summary Statistics	
CALM	5%
UW	0%
UW/CW	0%
CW	4%
CW/DW	0%
DW	1%
DW/CW	0%
CW/UW	90%
TOTAL	100%

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS

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Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

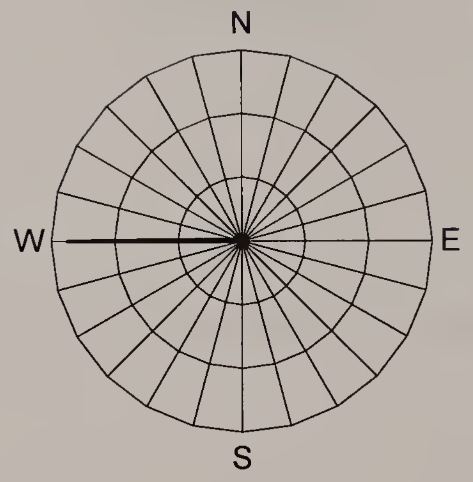


Figure 1. Wind rose for the period 6/5/2017 through 6/11/2017

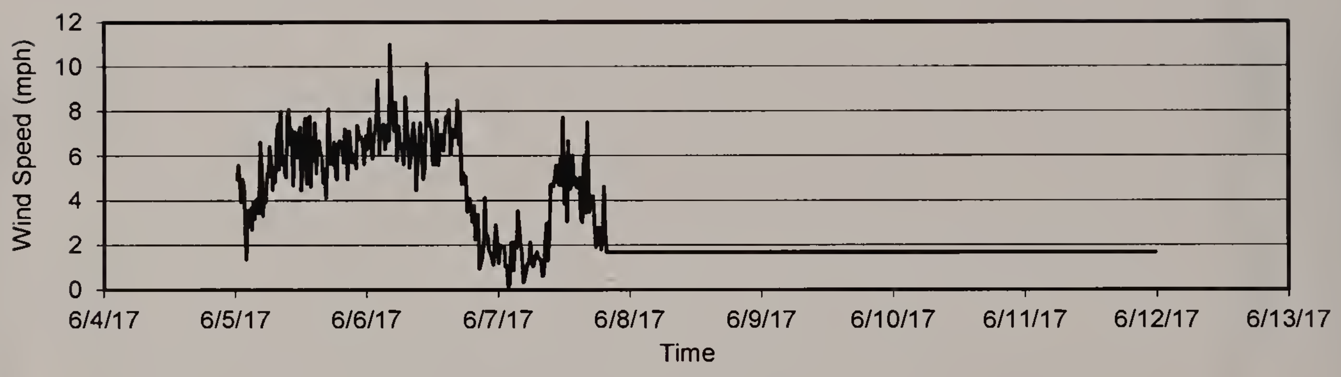


Figure 2. Wind speed for the period 6/5/2017 through 6/11/2017

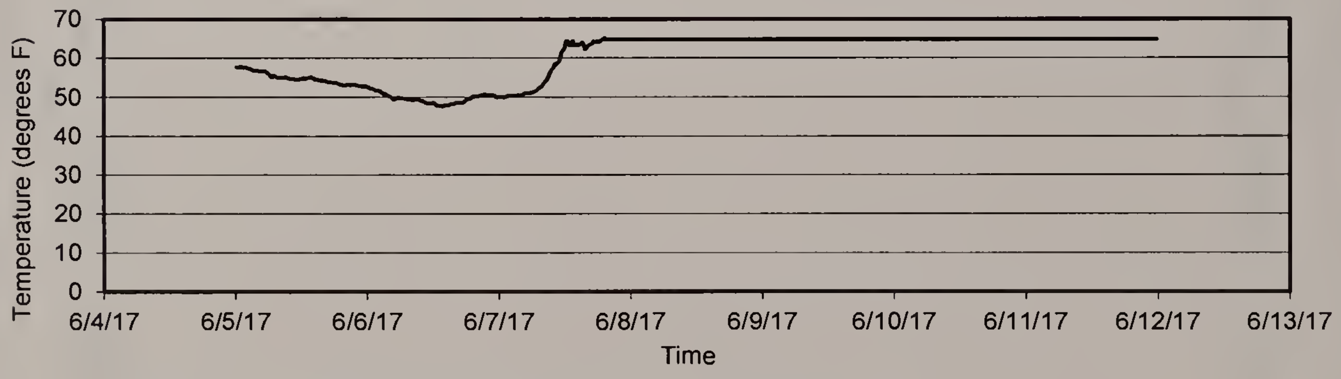


Figure 3. Temperature for the period 6/5/2017 through 6/11/2017

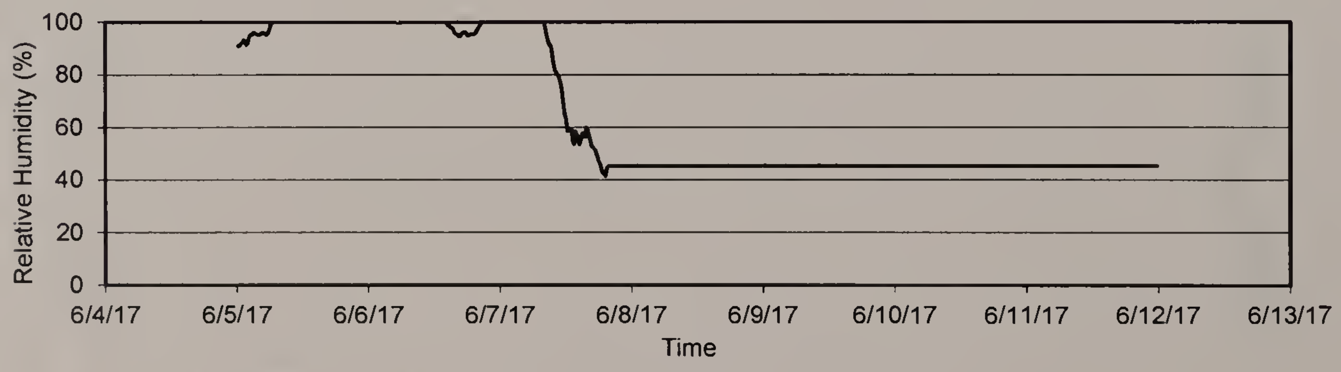


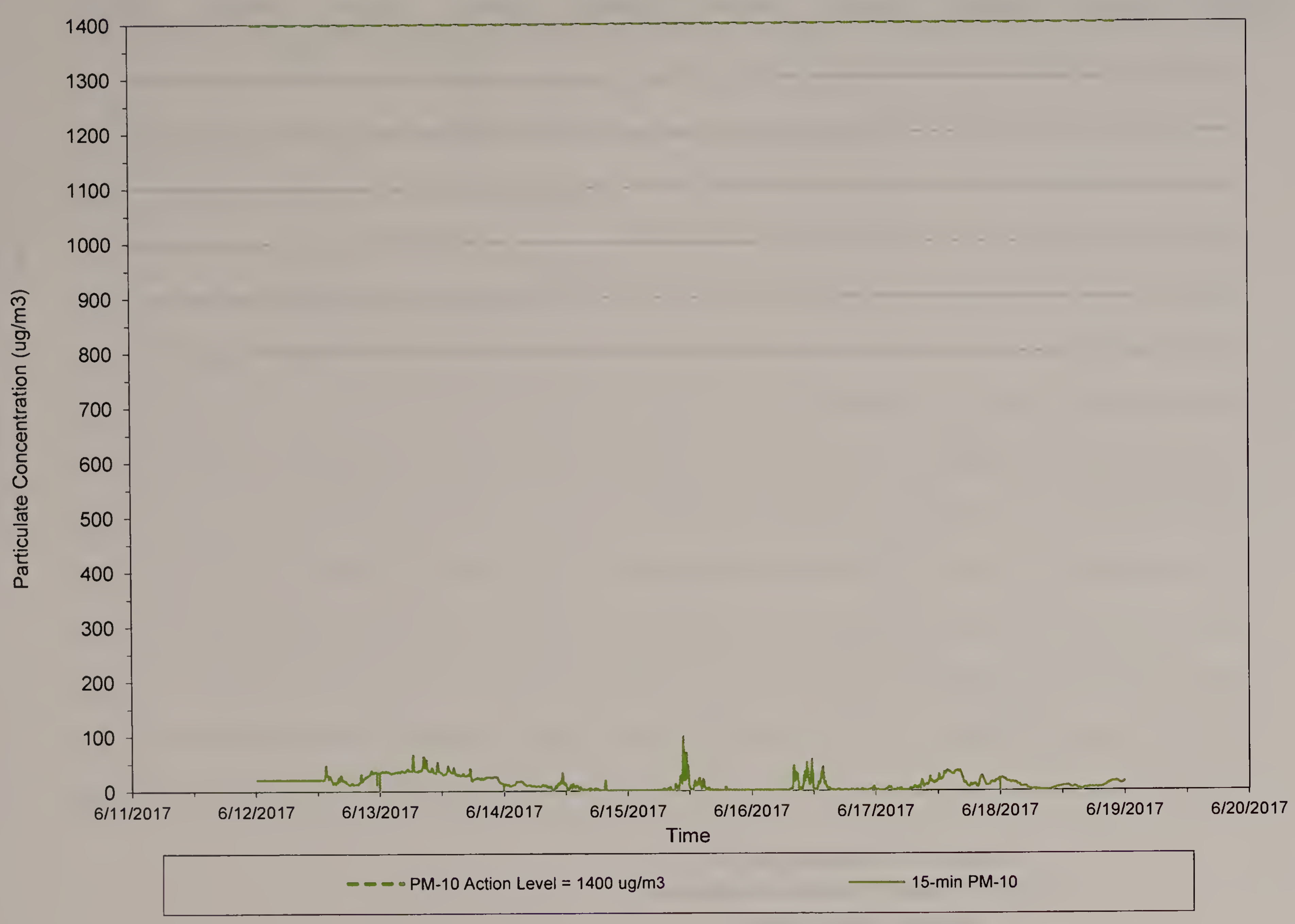
Figure 4. Relative humidity for the period 6/5/2017 through 6/11/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Jun19,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 12.62

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
6/12/2017	45.78
6/13/2017	65.21
6/14/2017	32.15
6/15/2017	97.03
6/16/2017	56.10
6/17/2017	35.76
6/18/2017	22.05

Wind Summary Statistics	
CALM	8%
UW	4%
UW/CW	0%
CW	0%
CW/DW	1%
DW	25%
DW/CW	0%
CW/UW	62%
TOTAL	100%

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PERIMETER AIR MONITORING SYSTEMS

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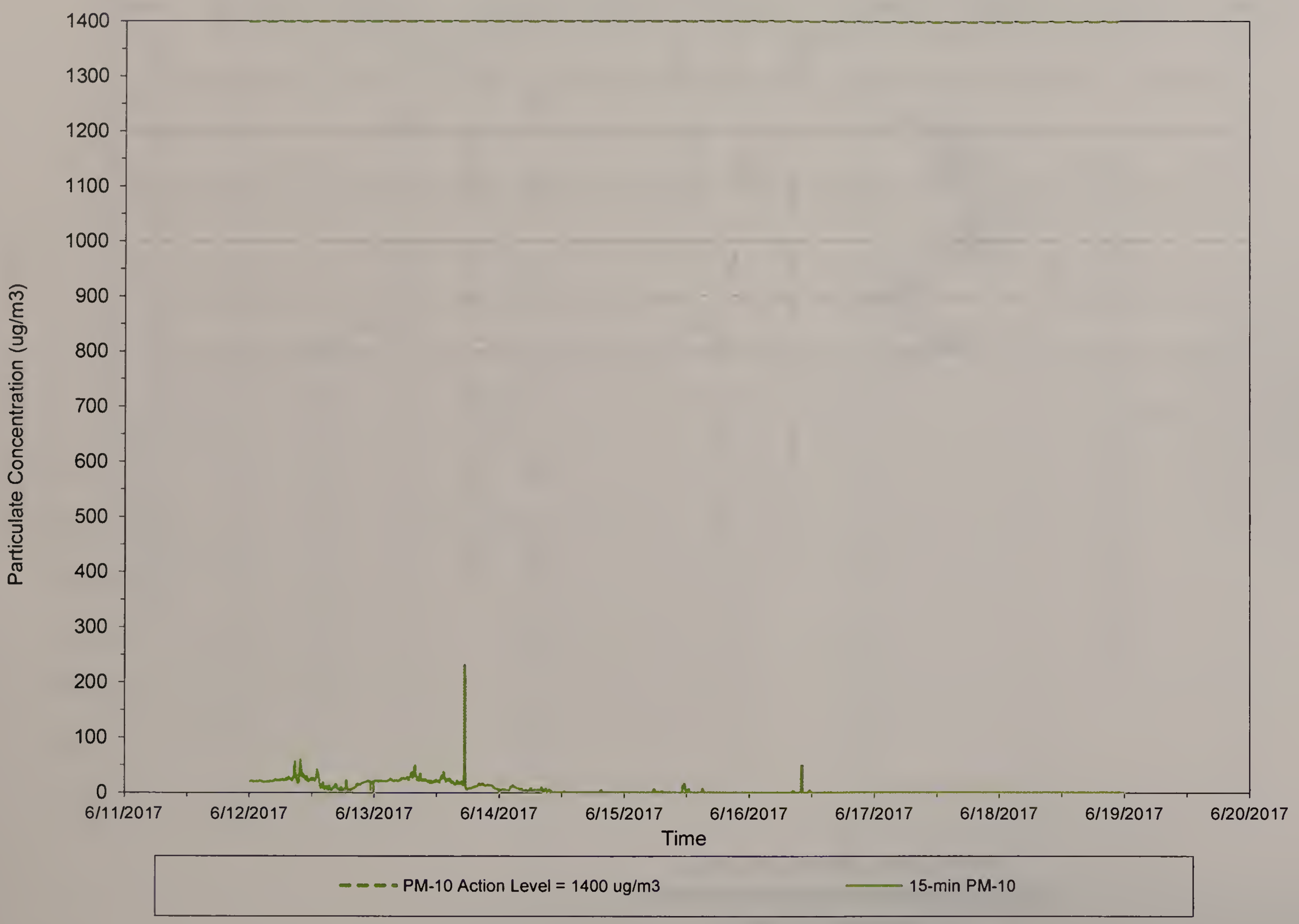
Jun19,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 6.03

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
6/12/2017	58.57
6/13/2017	230.44
6/14/2017	12.47
6/15/2017	15.46
6/16/2017	49.05
6/17/2017	0.00
6/18/2017	0.00

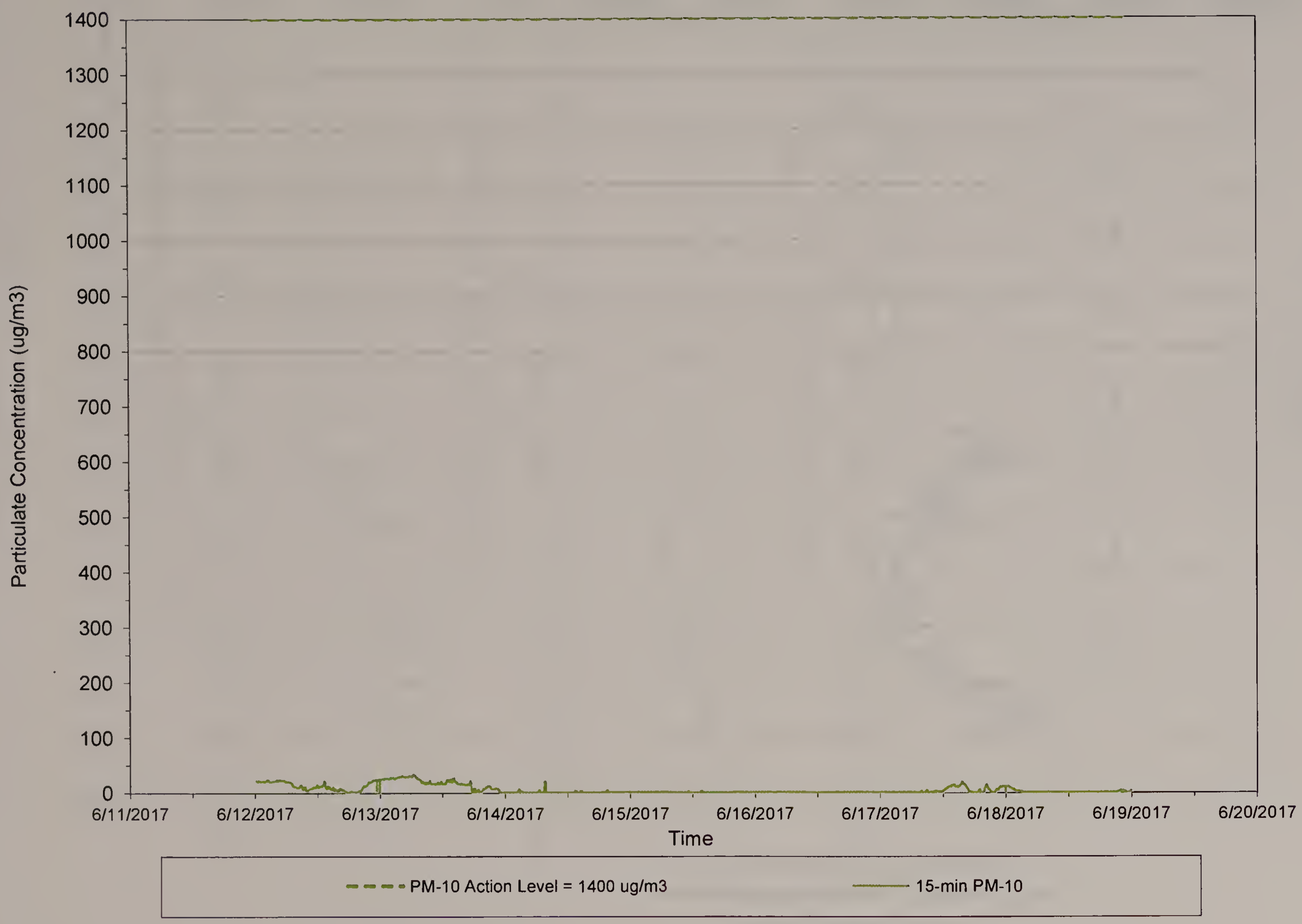
Wind Summary Statistics	
CALM	8%
UW	25%
UW/CW	0%
CW	0%
CW/DW	0%
DW	66%
DW/CW	1%
CW/UW	0%
TOTAL	100%

Filename: C:\Users\douglas.maguire\Desktop\My Jobs\Wynn Casino, Everett\Wynn AirLogics\June 2017\STA2_WEEKLYJun17

Jun19,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly

Data Summary Statistics	
PM-10 Avg =	5.00

Daily

Data Summary Statistics	
PM10 max=	(15Min Avg)
6/12/2017	23.64
6/13/2017	32.48
6/14/2017	19.91
6/15/2017	2.57
6/16/2017	1.03
6/17/2017	19.03
6/18/2017	11.41

Wind Summary Statistics	
CALM	8%
UW	23%
UW/CW	0%
CW	0%
CW/DW	0%
DW	8%
DW/CW	0%
CW/UW	61%
TOTAL	100%

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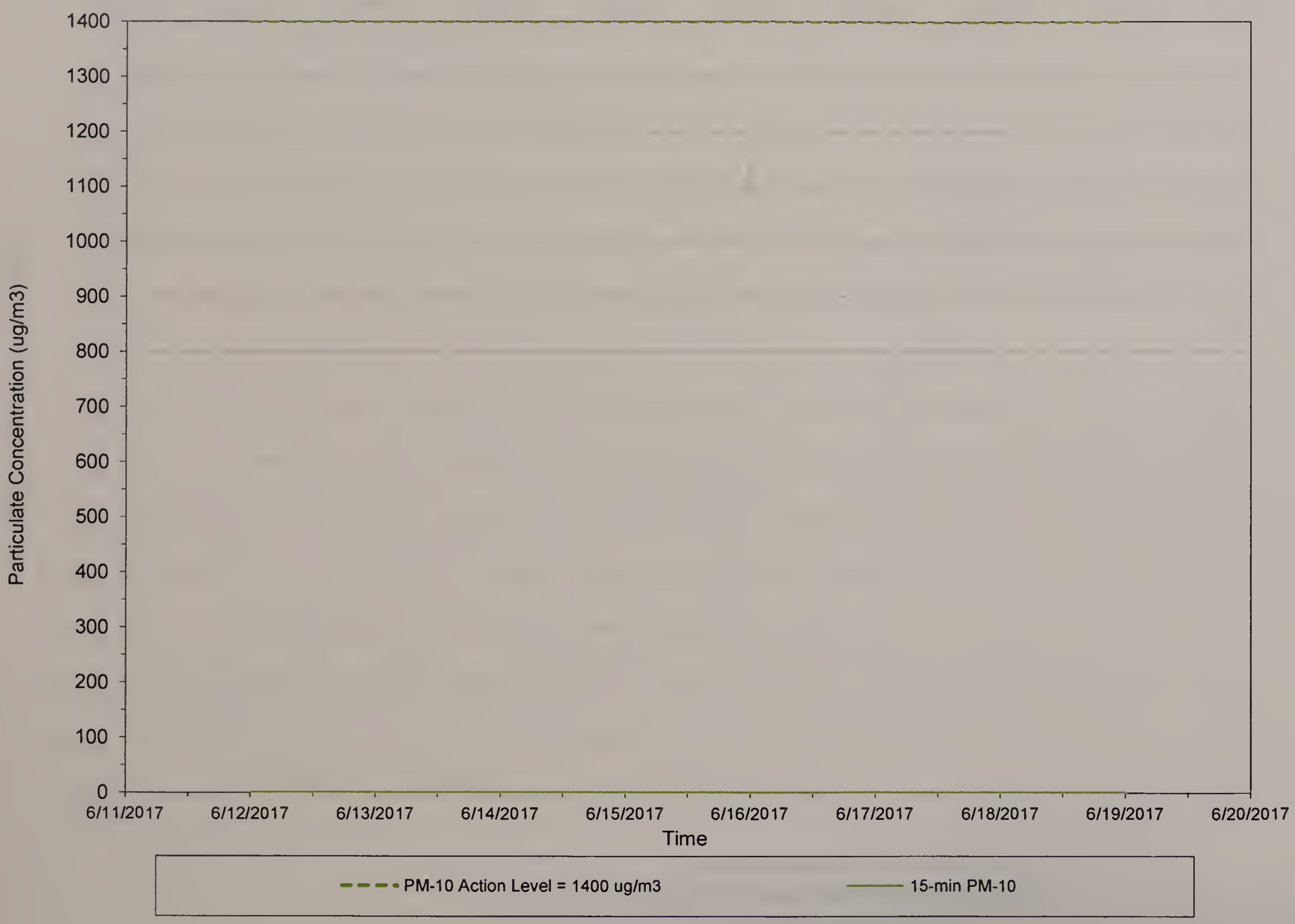
Filename: C:\Users\douglas.maguire\Desktop\My Jobs\Wynn Casino, Everett\Wynn AirLogics\June 2017\STA3_WEEKLYJun17

Jun19,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.00

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
6/12/2017	0.00
6/13/2017	0.00
6/14/2017	0.00
6/15/2017	0.00
6/16/2017	0.00
6/17/2017	0.00
6/18/2017	0.00

Wind Summary Statistics	
CALM	8%
UW	0%
UW/CW	0%
CW	6%
CW/DW	1%
DW	21%
DW/CW	2%
CW/UW	63%
TOTAL	100%

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Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

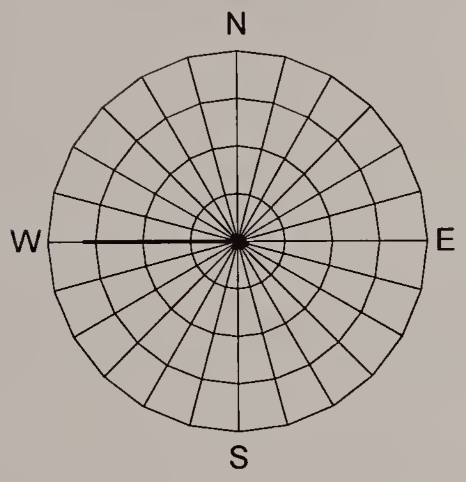


Figure 1. Wind rose for the period 6/12/2017 through 6/18/2017

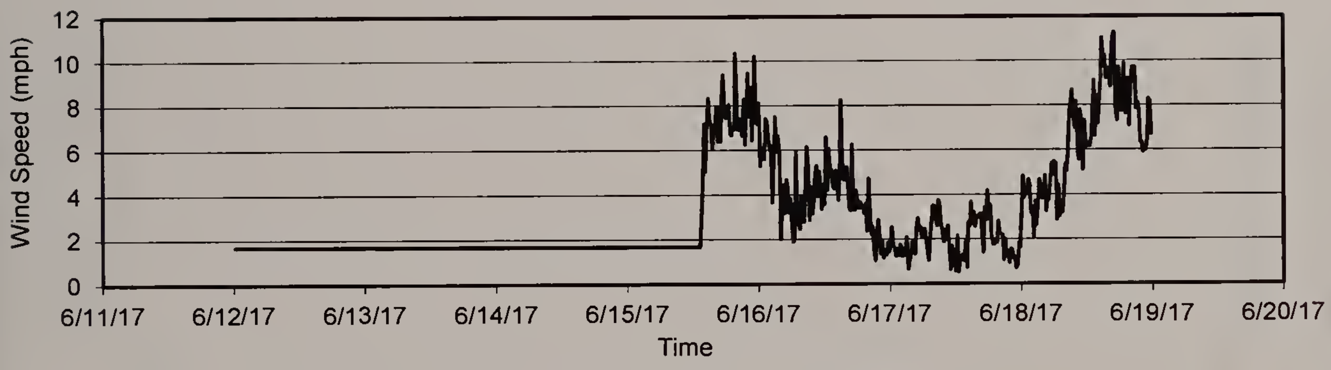


Figure 2. Wind speed for the period 6/12/2017 through 6/18/2017

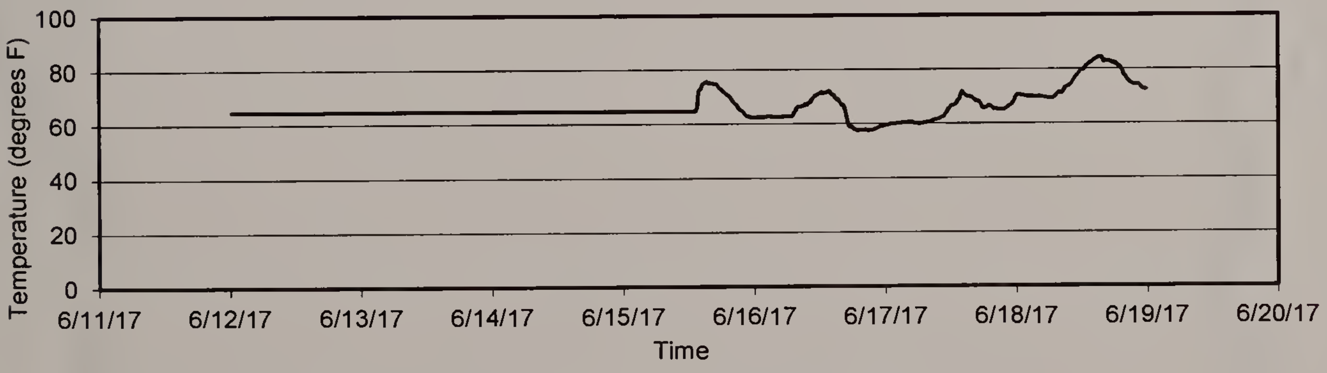


Figure 3. Temperature for the period 6/12/2017 through 6/18/2017

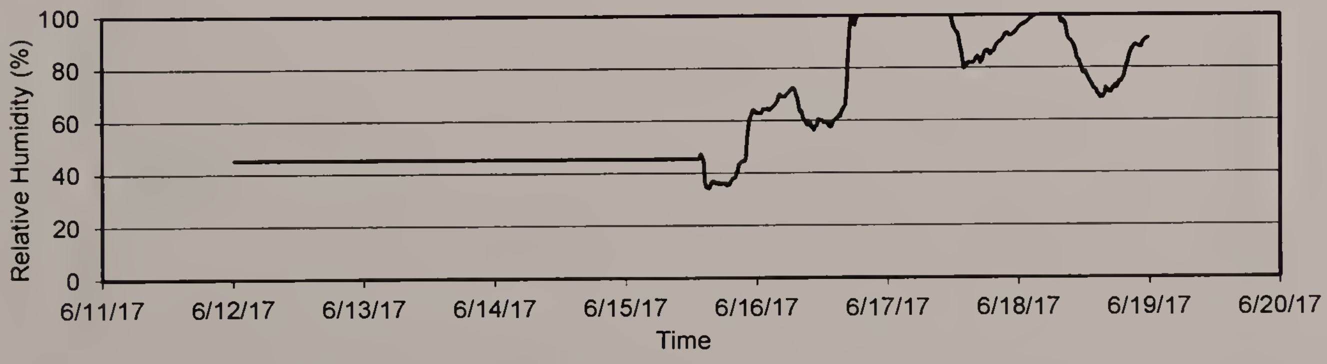


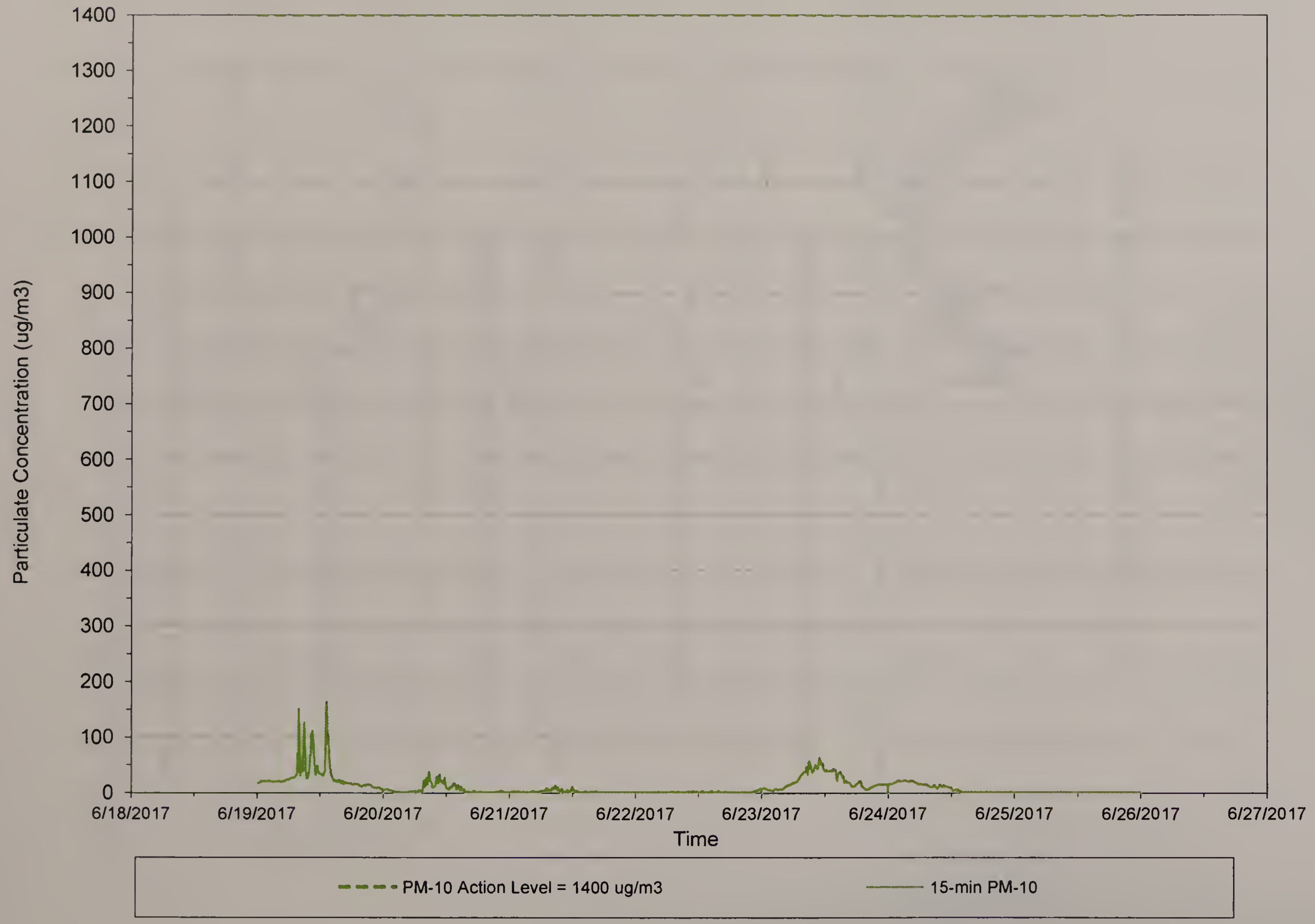
Figure 4. Relative humidity for the period 6/12/2017 through 6/18/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Jun26,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 9.33

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
6/19/2017	162.83
6/20/2017	36.94
6/21/2017	11.90
6/22/2017	7.01
6/23/2017	61.72
6/24/2017	21.92
6/25/2017	0.43

Wind Summary Statistics	
CALM	10%
UW	1%
UW/CW	0%
CW	0%
CW/DW	1%
DW	87%
DW/CW	0%
CW/UW	1%
	%

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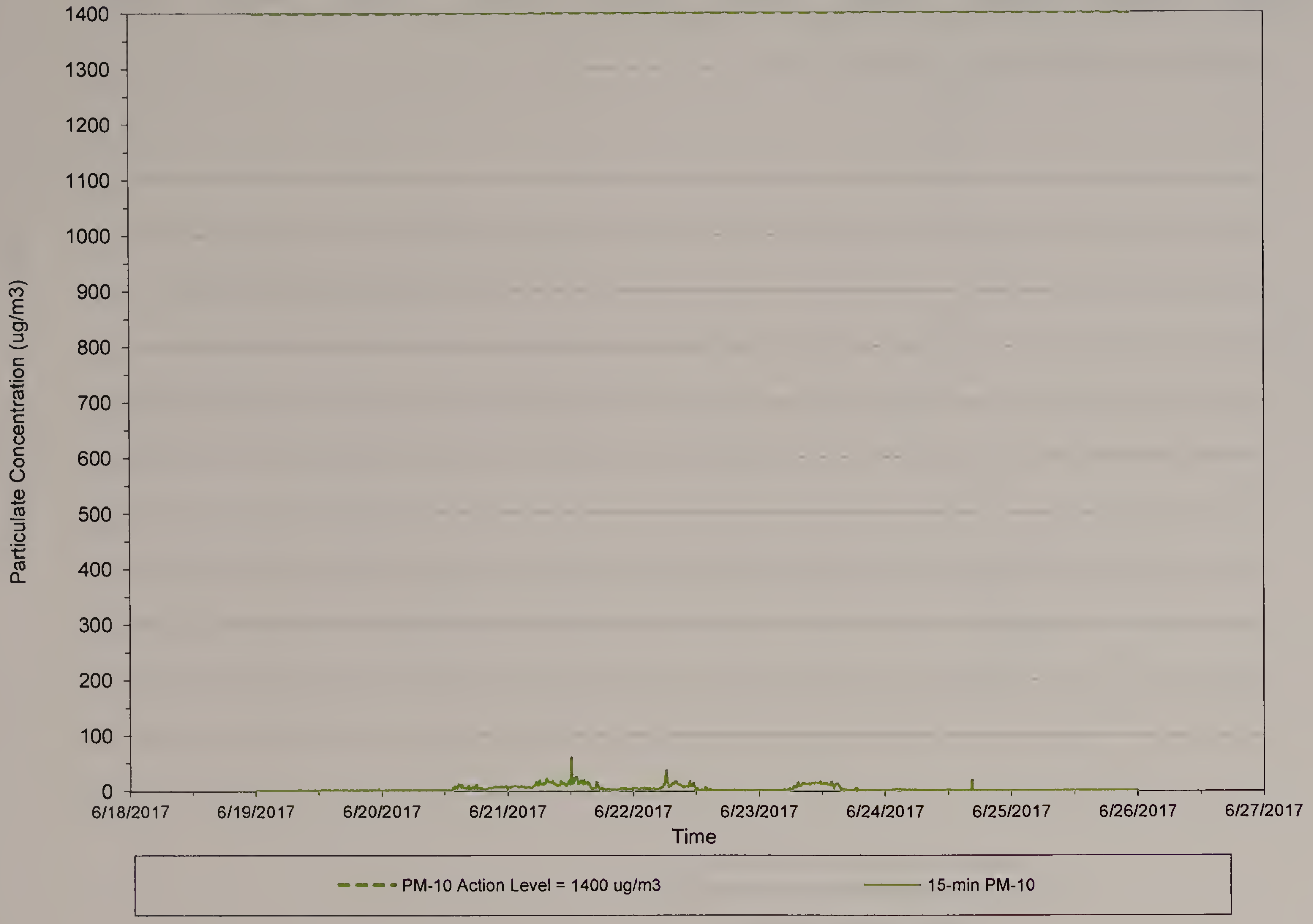
Jun26,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 2.81

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
6/19/2017	3.26
6/20/2017	10.97
6/21/2017	59.16
6/22/2017	35.73
6/23/2017	16.15
6/24/2017	18.51
6/25/2017	0.11

Wind Summary Statistics	
CALM	10%
UW	85%
UW/CW	1%
CW	2%
CW/DW	0%
DW	3%
DW/CW	0%
CW/UW	0%
	%

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PERIMETER AIR MONITORING SYSTEMS
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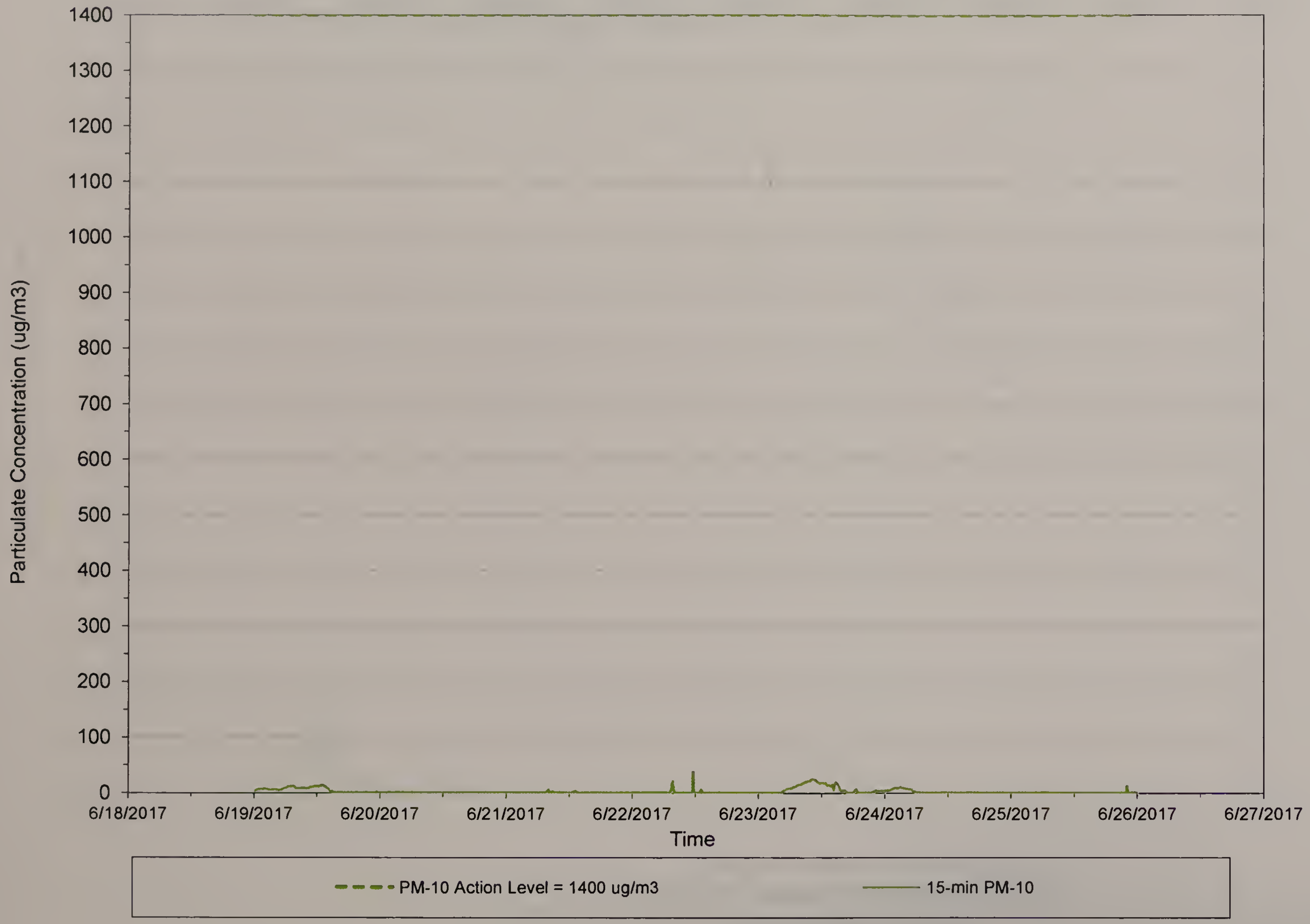
Jun26,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 2.15

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
6/19/2017	13.45
6/20/2017	0.46
6/21/2017	5.76
6/22/2017	36.91
6/23/2017	23.99
6/24/2017	9.92
6/25/2017	11.64

Wind Summary Statistics	
CALM	10%
UW	79%
UW/CW	0%
CW	0%
CW/DW	0%
DW	11%
DW/CW	0%
CW/UW	0%
	%

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Perimeter Air Monitoring Systems
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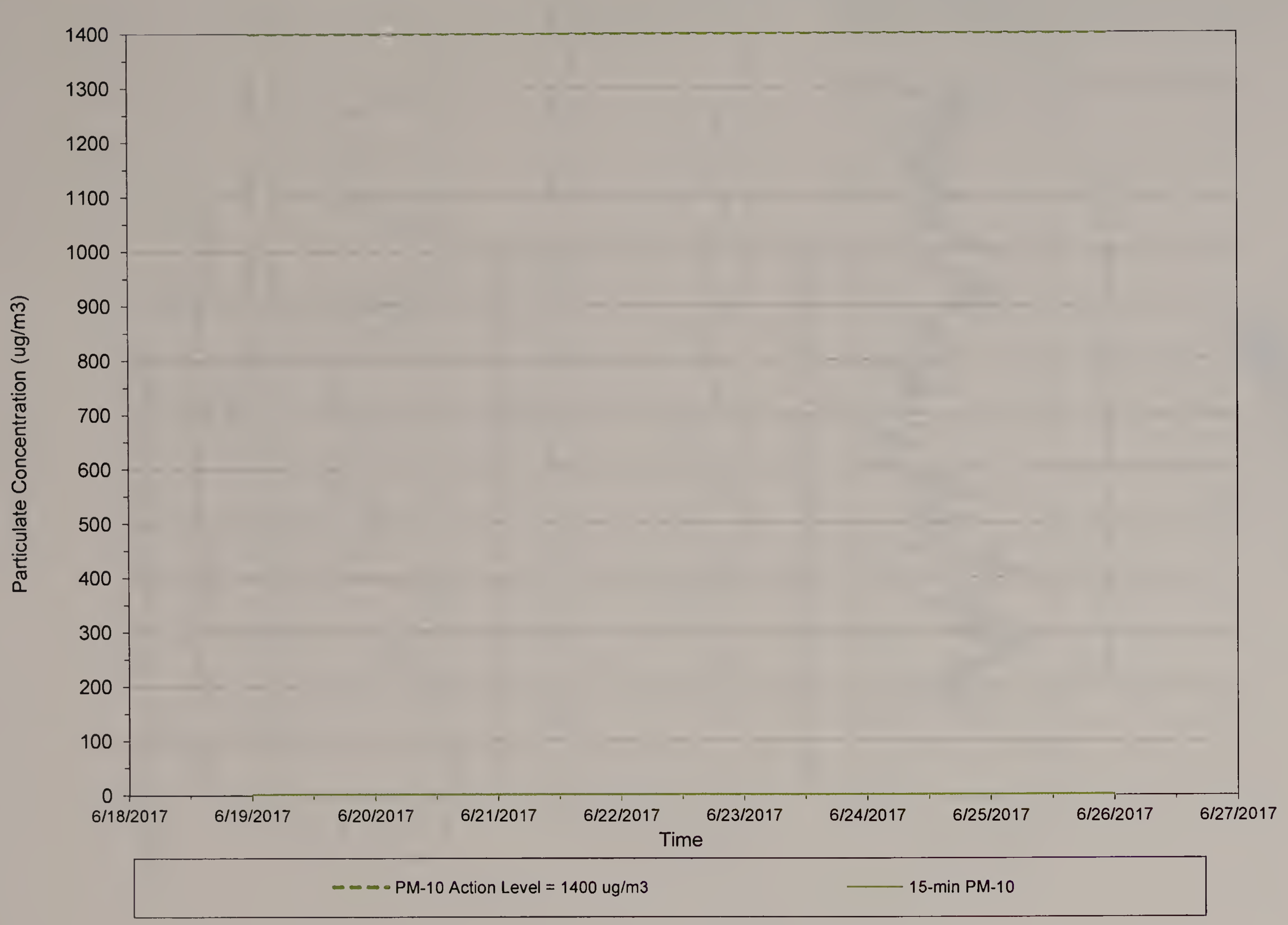
Jun26,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.00

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
6/19/2017	0.00
6/20/2017	0.00
6/21/2017	0.00
6/22/2017	0.00
6/23/2017	0.00
6/24/2017	0.00
6/25/2017	0.00

Wind Summary Statistics	
CALM	10%
UW	0%
UW/CW	0%
CW	15%
CW/DW	2%
DW	62%
DW/CW	11%
CW/UW	1%
	%

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Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

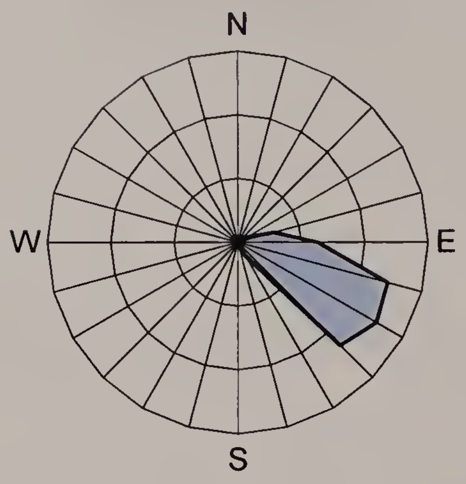


Figure 1. Wind rose for the period 6/19/2017 through 6/25/2017

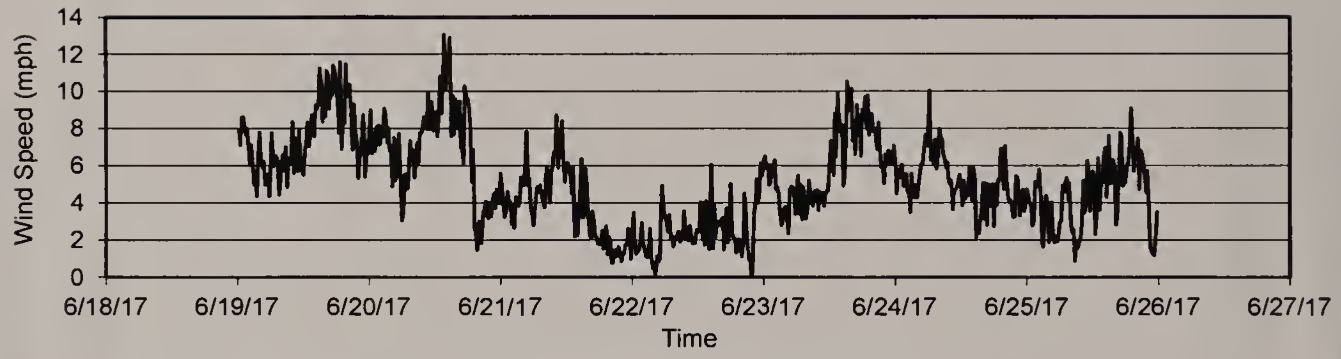


Figure 2. Wind speed for the period 6/19/2017 through 6/25/2017

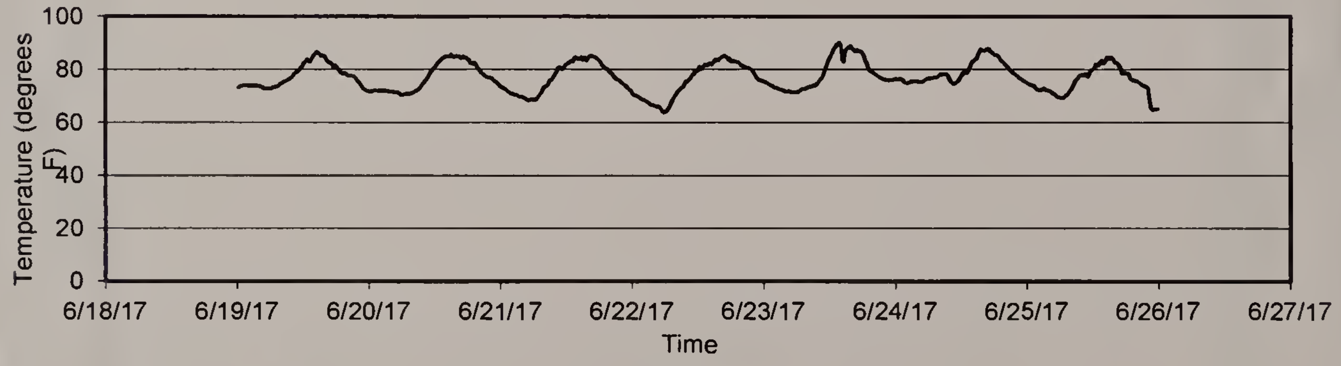


Figure 3. Temperature for the period 6/19/2017 through 6/25/2017

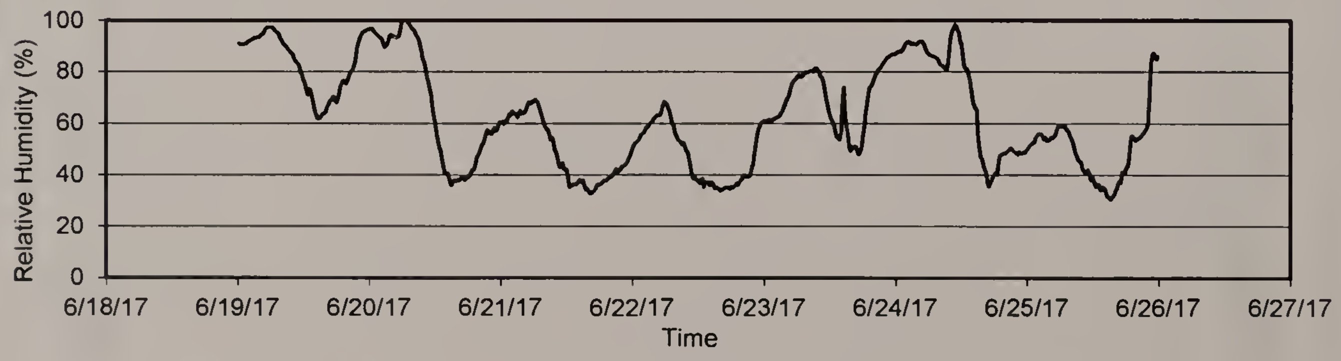


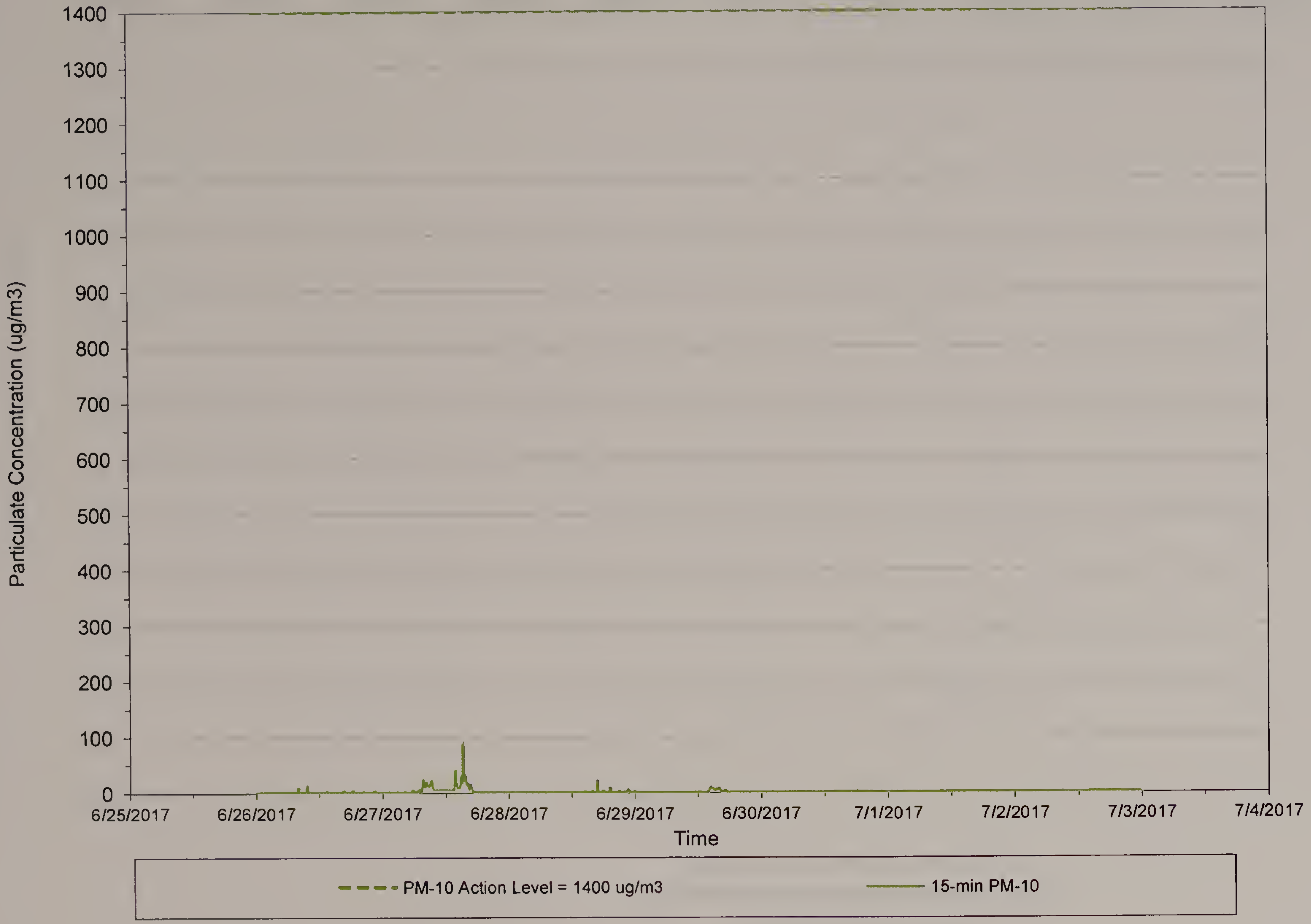
Figure 4. Relative humidity for the period 6/19/2017 through 6/25/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Jul03,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 1.19

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
6/26/2017	11.74
6/27/2017	89.93
6/28/2017	21.65
6/29/2017	9.34
6/30/2017	0.98
7/1/2017	0.98
7/2/2017	0.98

Wind Summary Statistics	
CALM	12%
UW	5%
UW/CW	0%
CW	0%
CW/DW	3%
DW	80%
DW/CW	0%
CW/UW	0%
	%

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PERIMETER AIR MONITORING SYSTEMS
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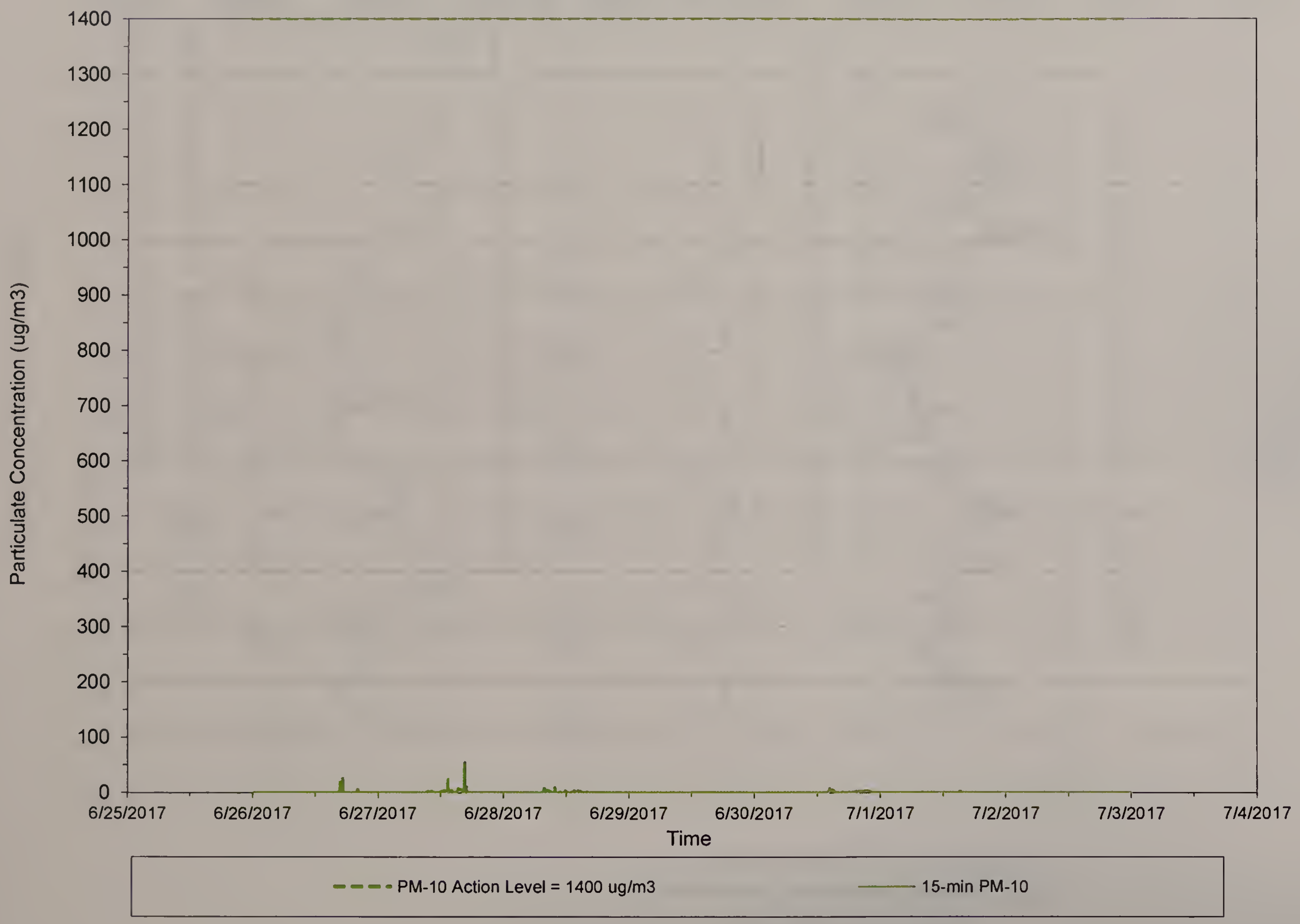
Jul03,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.49

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
6/26/2017	25.23
6/27/2017	54.13
6/28/2017	9.32
6/29/2017	0.00
6/30/2017	7.86
7/1/2017	2.38
7/2/2017	0.00

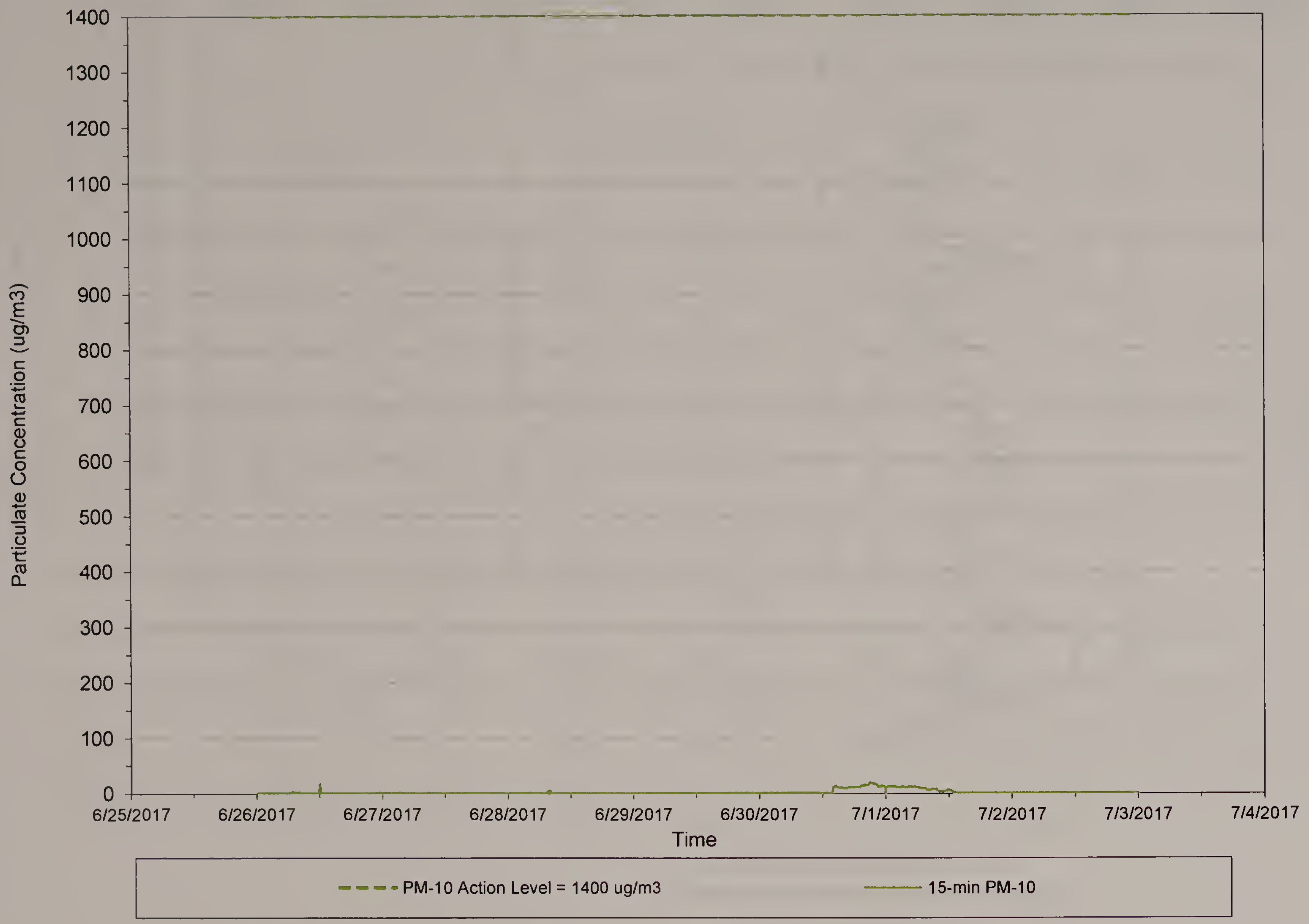
Wind Summary Statistics	
CALM	12%
UW	80%
UW/CW	0%
CW	1%
CW/DW	0%
DW	7%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\July 2017\STA2_WEEKLYJul17.xls

Jul03,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 1.51

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
6/26/2017	16.40
6/27/2017	0.61
6/28/2017	5.13
6/29/2017	0.00
6/30/2017	18.77
7/1/2017	12.28
7/2/2017	0.78

Wind Summary Statistics	
CALM	12%
UW	63%
UW/CW	0%
CW	0%
CW/DW	0%
DW	25%
DW/CW	0%
CW/UW	0%
	%

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Perimeter Air Monitoring Systems
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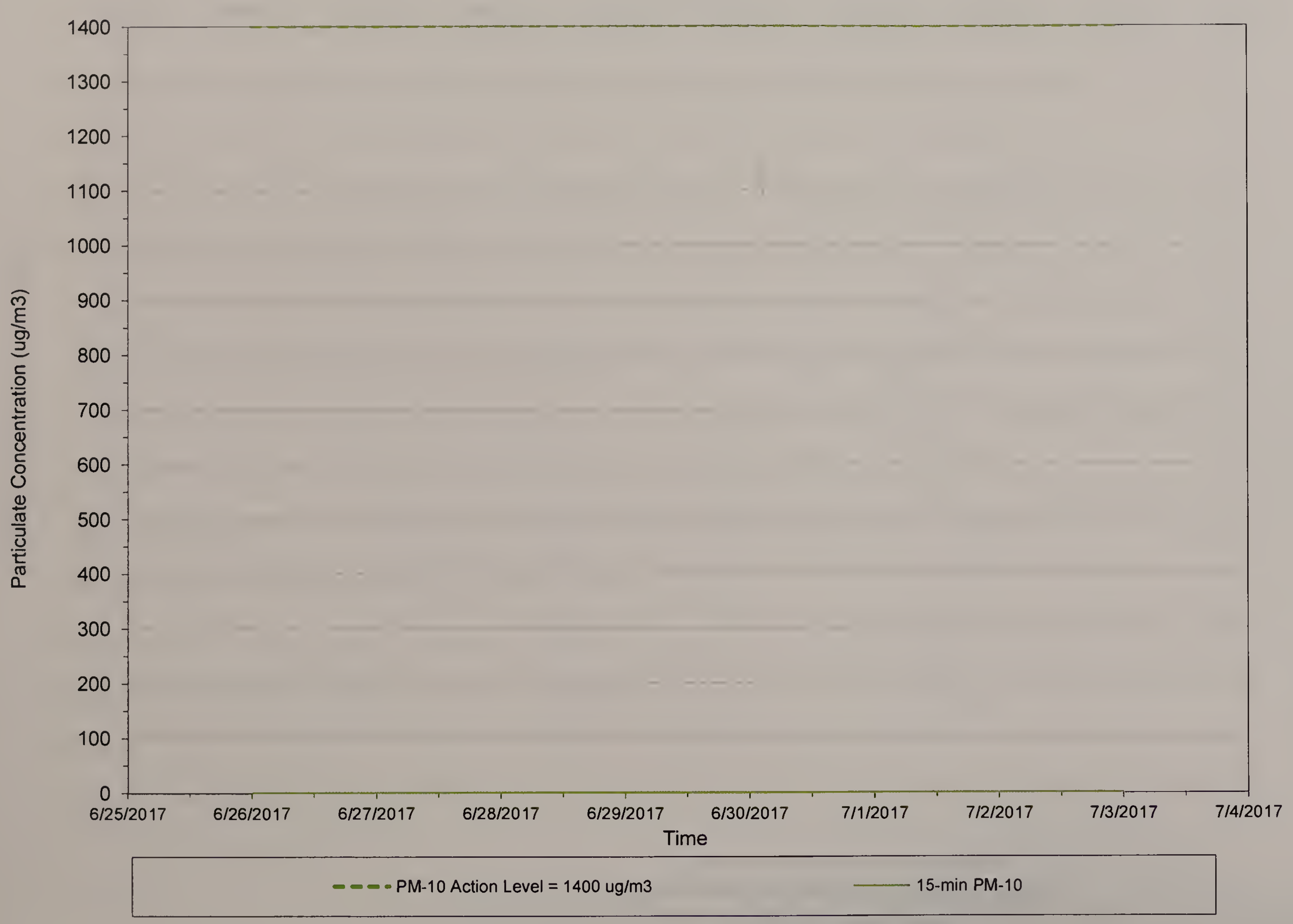
Jul03,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.00

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
6/26/2017	0.00
6/27/2017	0.00
6/28/2017	0.00
6/29/2017	0.00
6/30/2017	0.00
7/1/2017	0.00
7/2/2017	0.00

Wind Summary Statistics	
CALM	12%
UW	0%
UW/CW	0%
CW	9%
CW/DW	4%
DW	73%
DW/CW	2%
CW/UW	0%
	%

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PERIMETER AIR MONITORING SYSTEMS
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Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

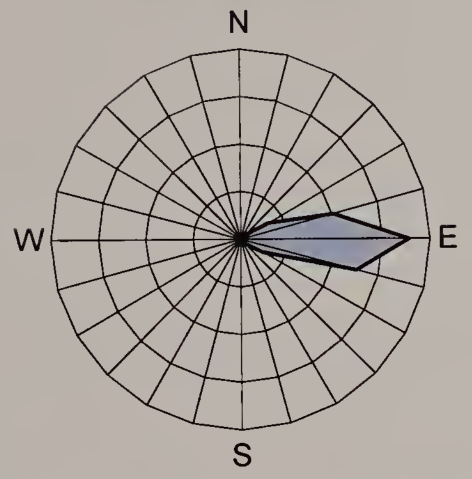


Figure 1. Wind rose for the period 6/26/2017 through 7/2/2017

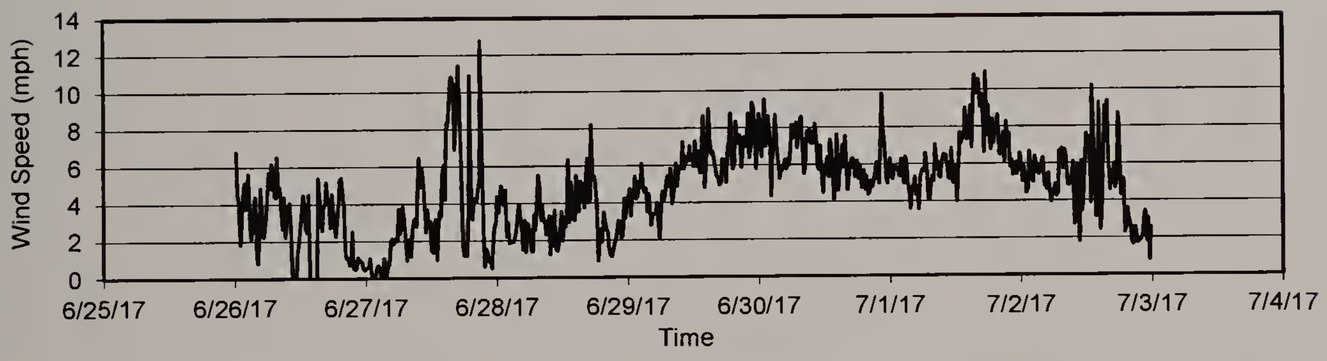


Figure 2. Wind speed for the period 6/26/2017 through 7/2/2017

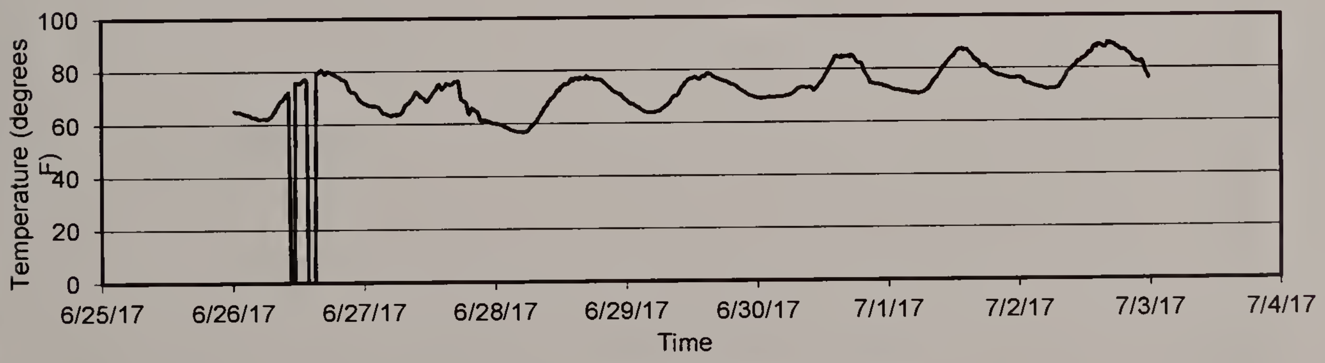


Figure 3. Temperature for the period 6/26/2017 through 7/2/2017

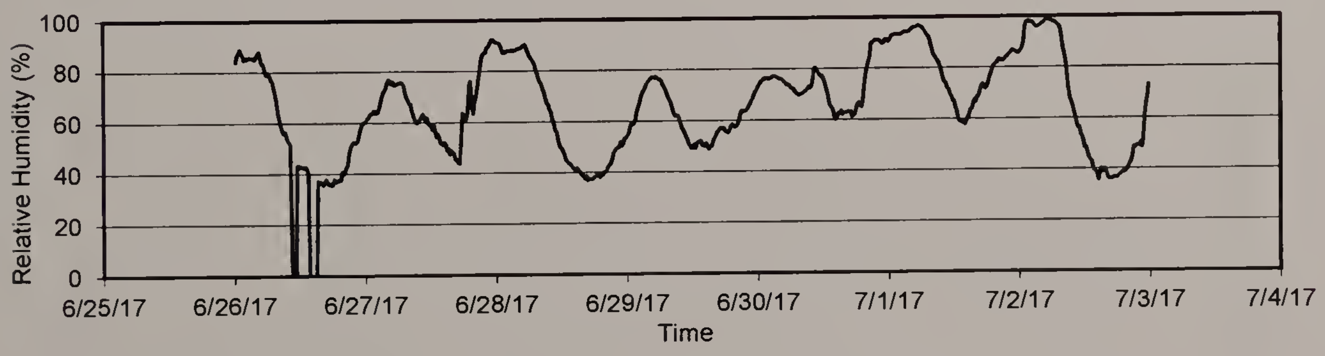


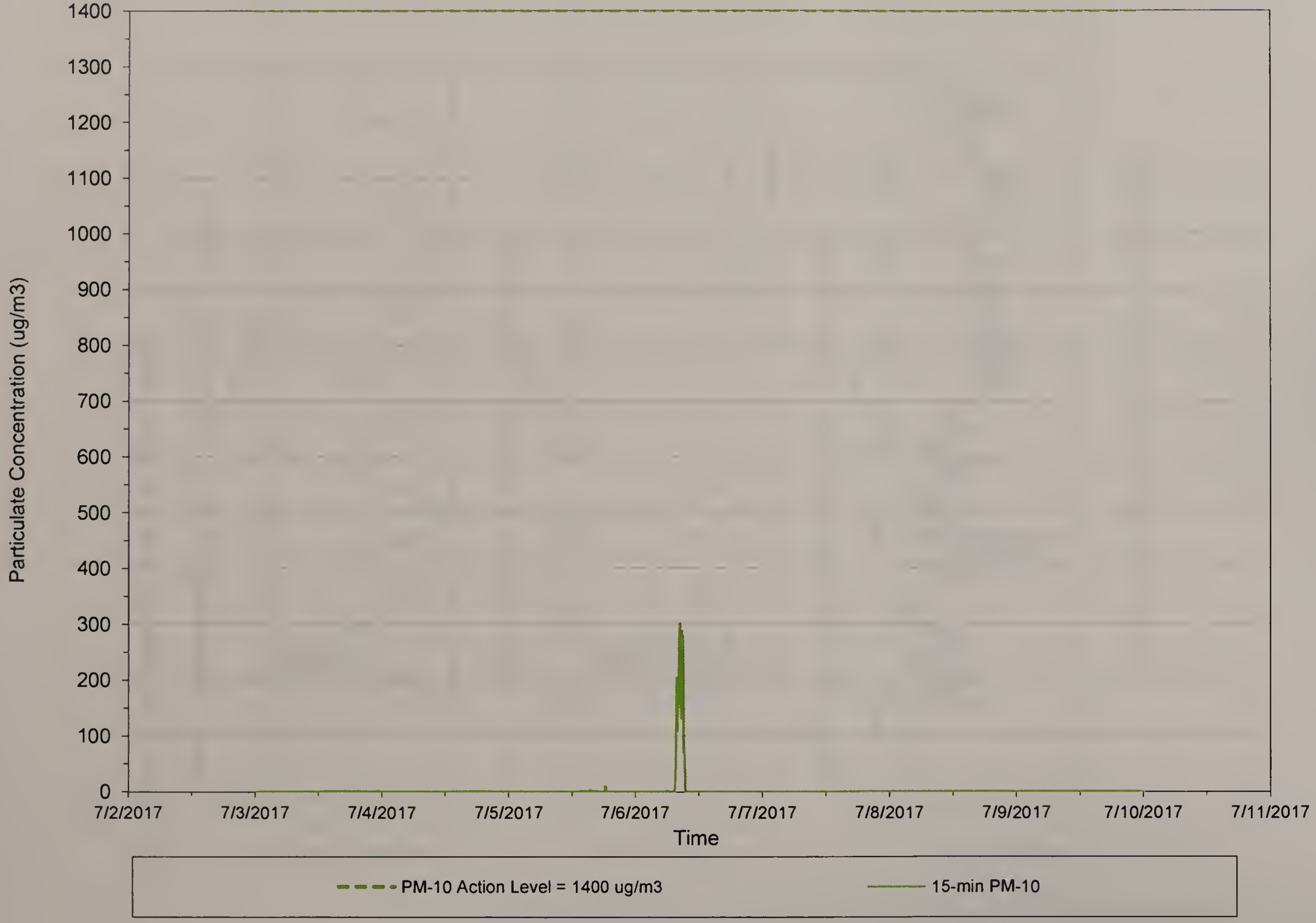
Figure 4. Relative humidity for the period 6/26/2017 through 7/2/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Jul10,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 2.07

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
7/3/2017	2.35
7/4/2017	0.98
7/5/2017	9.19
7/6/2017	301.45
7/7/2017	0.00
7/8/2017	0.00
7/9/2017	0.00

Wind Summary Statistics	
CALM	22%
UW	2%
UW/CW	0%
CW	0%
CW/DW	1%
DW	60%
DW/CW	1%
CW/UW	13%
	%

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PERIMETER AIR MONITORING SYSTEMS
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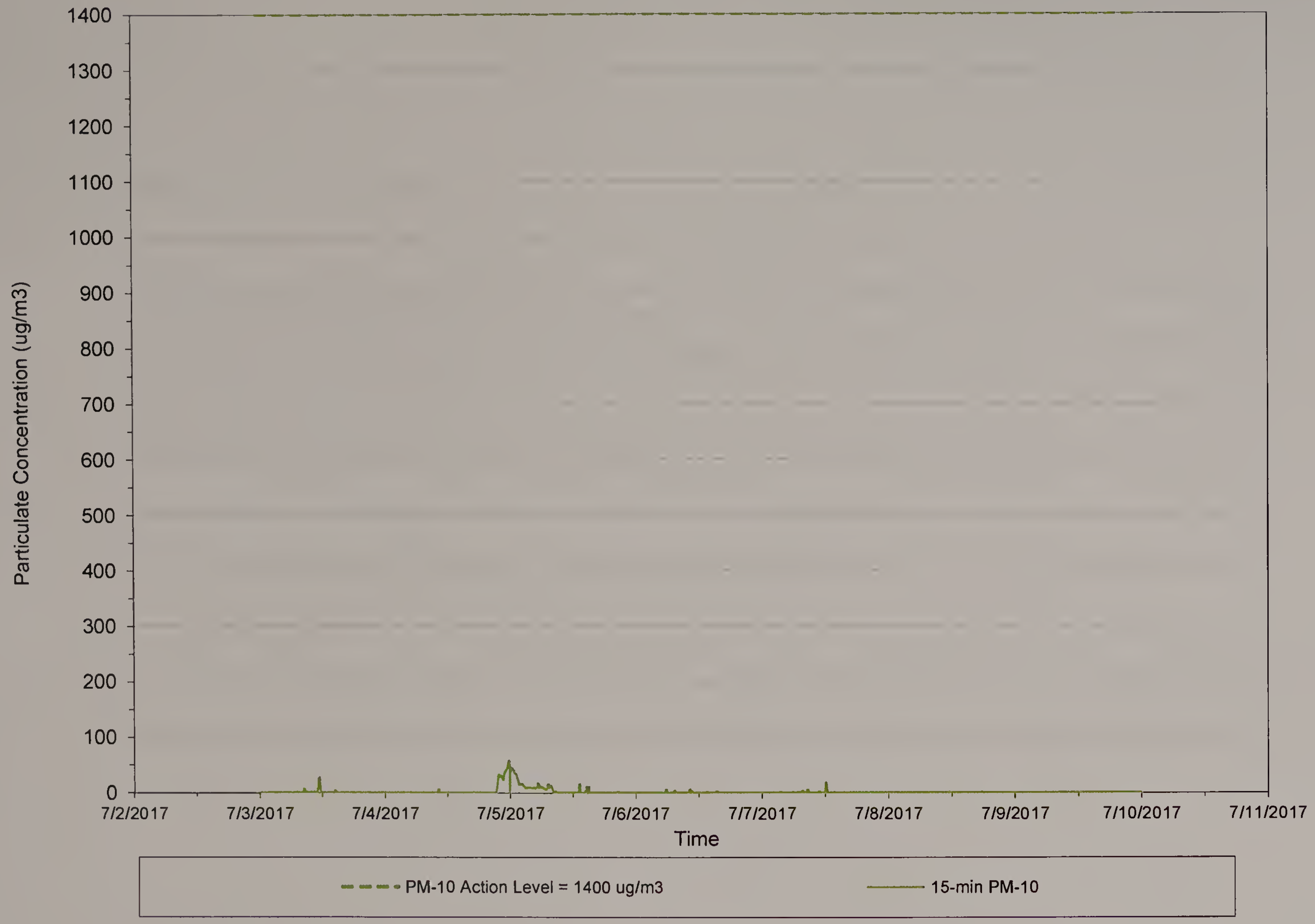
Jul10,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 1.51

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
7/3/2017	27.30
7/4/2017	57.82
7/5/2017	44.74
7/6/2017	5.70
7/7/2017	17.94
7/8/2017	1.24
7/9/2017	0.00

Wind Summary Statistics	
CALM	22%
UW	55%
UW/CW	1%
CW	4%
CW/DW	1%
DW	16%
DW/CW	0%
CW/UW	0%
	%

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Perimeter Air Monitoring Systems
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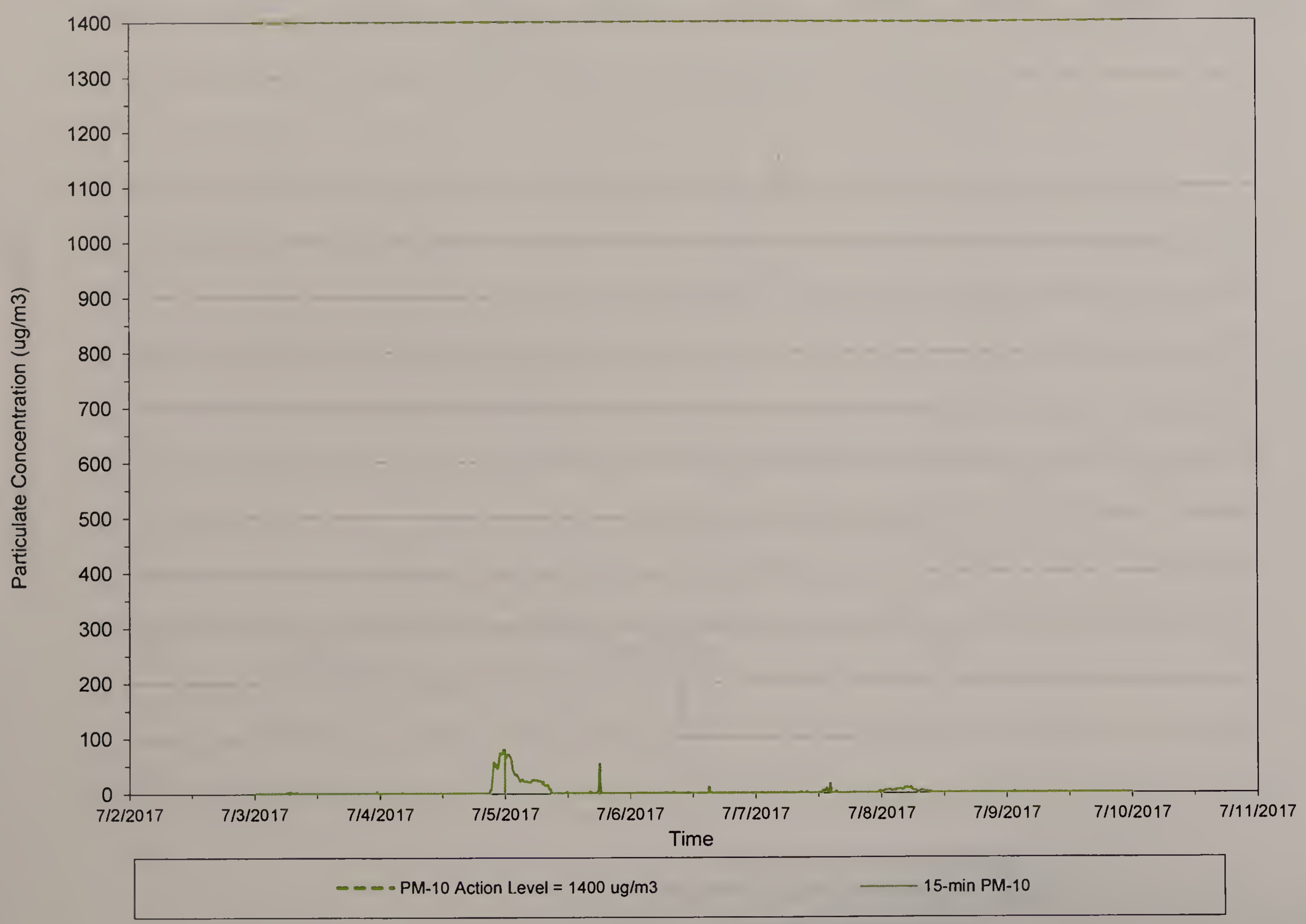
Jul10,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 2.98

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
7/3/2017	3.46
7/4/2017	79.67
7/5/2017	74.01
7/6/2017	10.62
7/7/2017	15.85
7/8/2017	10.71
7/9/2017	1.71

Wind Summary Statistics	
CALM	22%
UW	53%
UW/CW	0%
CW	0%
CW/DW	0%
DW	13%
DW/CW	0%
CW/UW	12%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\July 2017\STA3_WEEKLYJul17.xls

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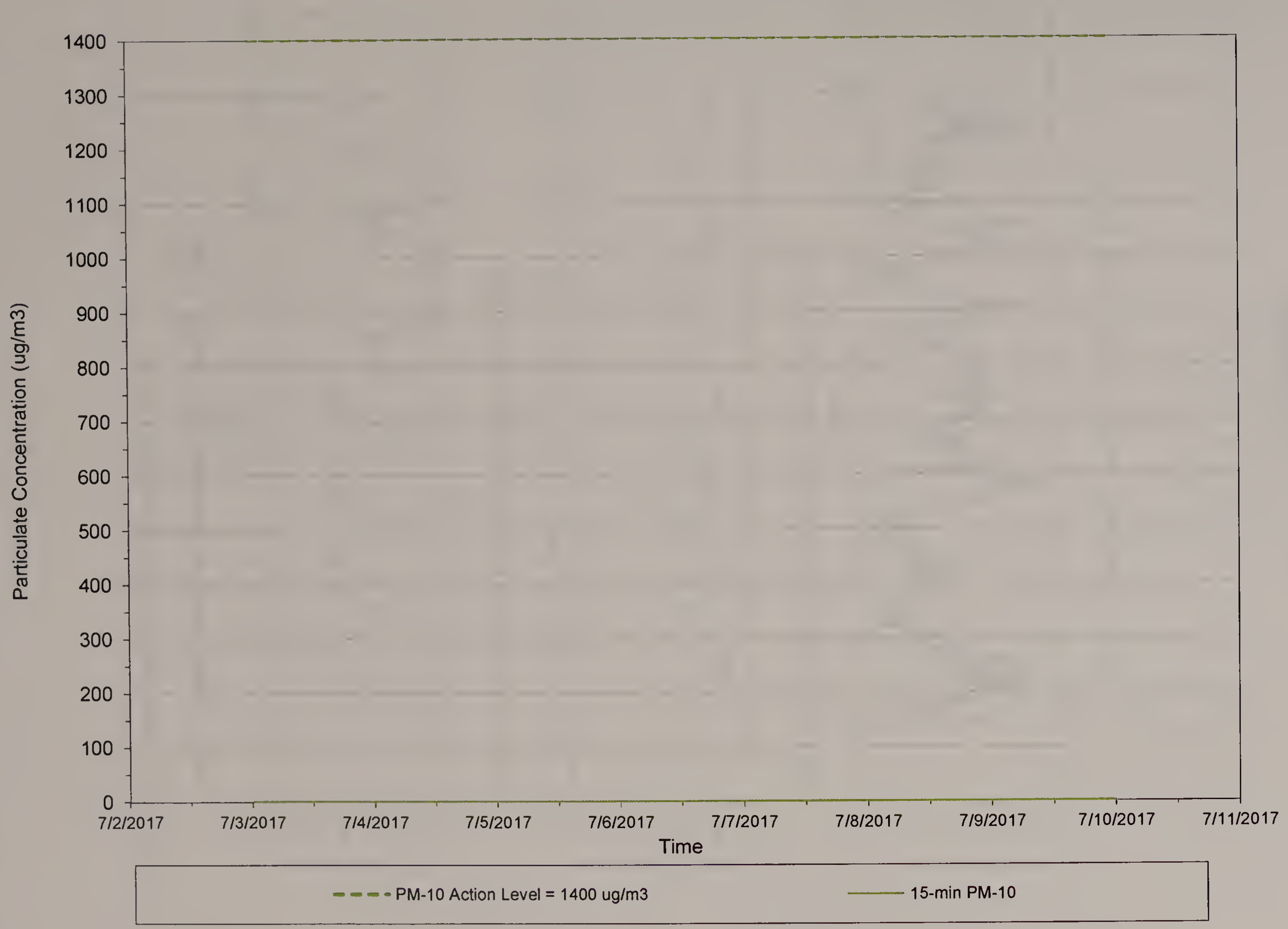
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Jul10,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.00

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
7/3/2017	0.00
7/4/2017	0.00
7/5/2017	0.00
7/6/2017	0.00
7/7/2017	0.00
7/8/2017	0.00
7/9/2017	0.00

Wind Summary Statistics	
CALM	22%
UW	0%
UW/CW	0%
CW	11%
CW/DW	2%
DW	50%
DW/CW	2%
CW/UW	14%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\July 2017\STA4_WEEKLYJul17.xls

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

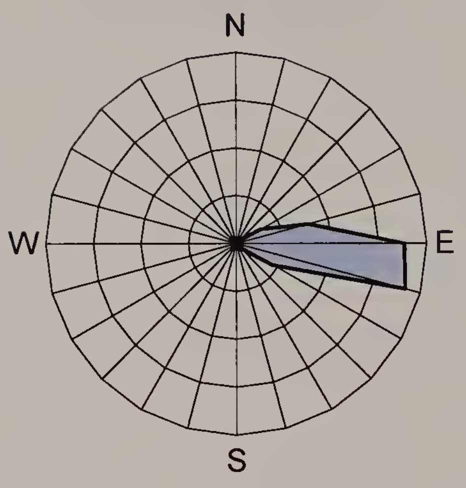


Figure 1. Wind rose for the period 7/3/2017 through 7/9/2017

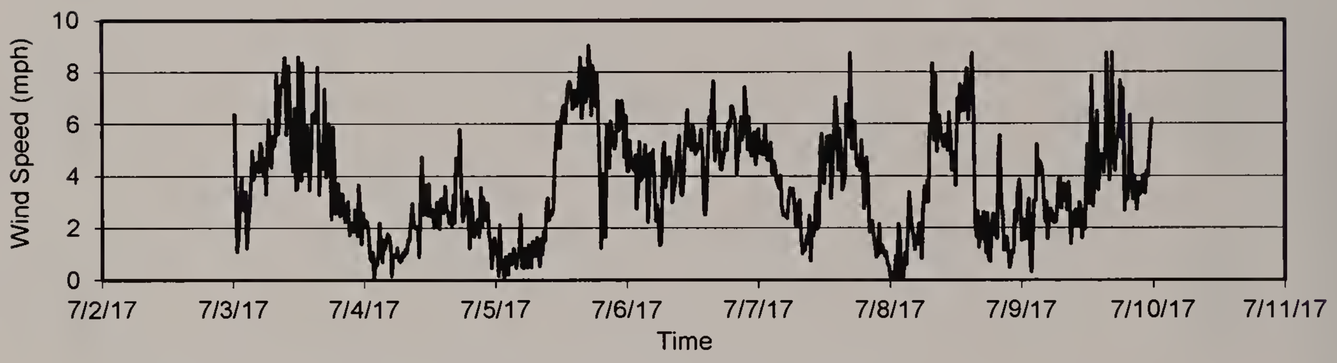


Figure 2. Wind speed for the period 7/3/2017 through 7/9/2017

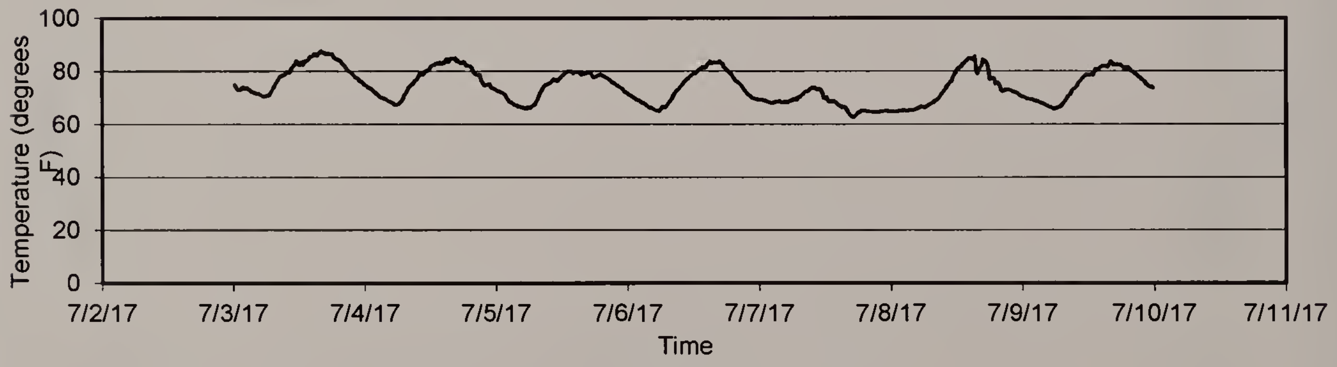


Figure 3. Temperature for the period 7/3/2017 through 7/9/2017

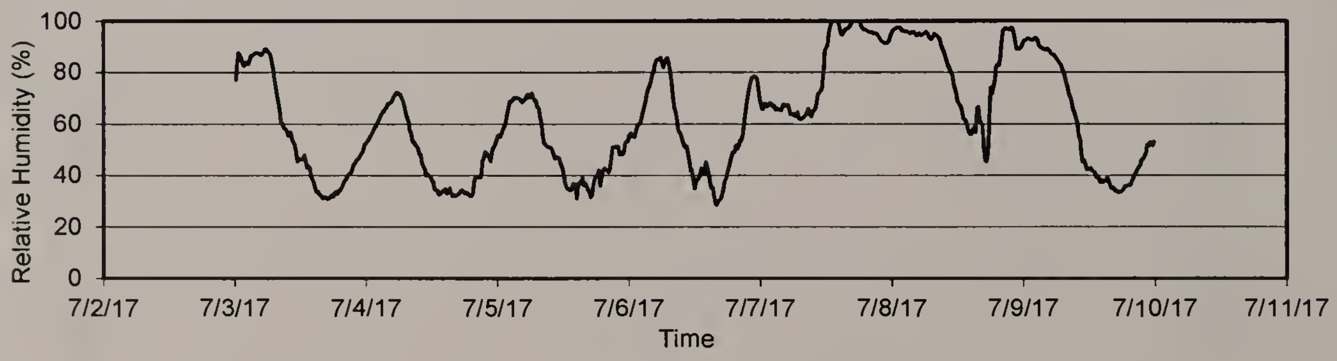


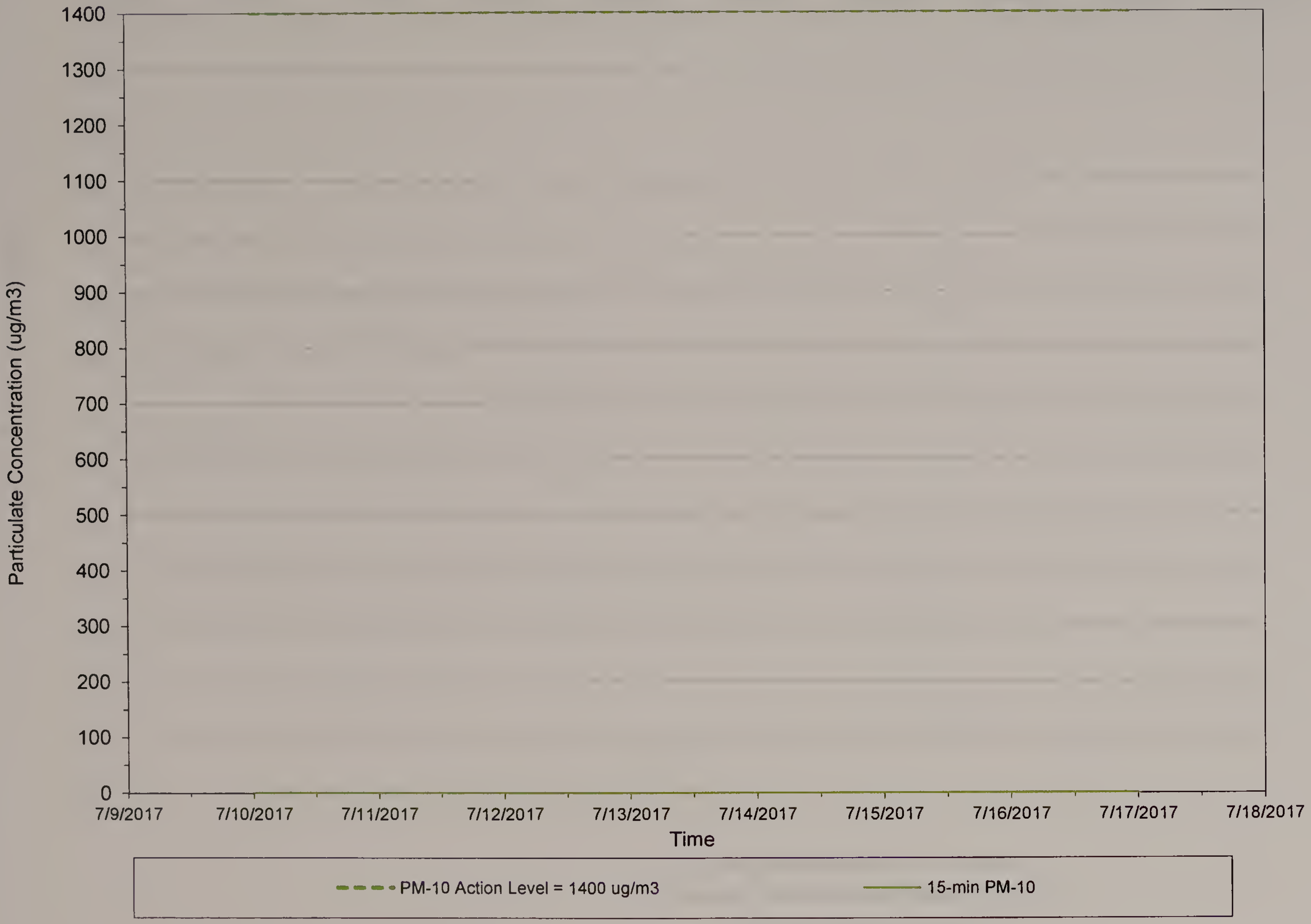
Figure 4. Relative humidity for the period 7/3/2017 through 7/9/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Jul17,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.00

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
7/10/2017	0.00
7/11/2017	0.00
7/12/2017	0.00
7/13/2017	0.00
7/14/2017	0.00
7/15/2017	0.00
7/16/2017	0.00

Wind Summary Statistics	
CALM	15%
UW	1%
UW/CW	0%
CW	0%
CW/DW	1%
DW	43%
DW/CW	4%
CW/UW	35%
	%

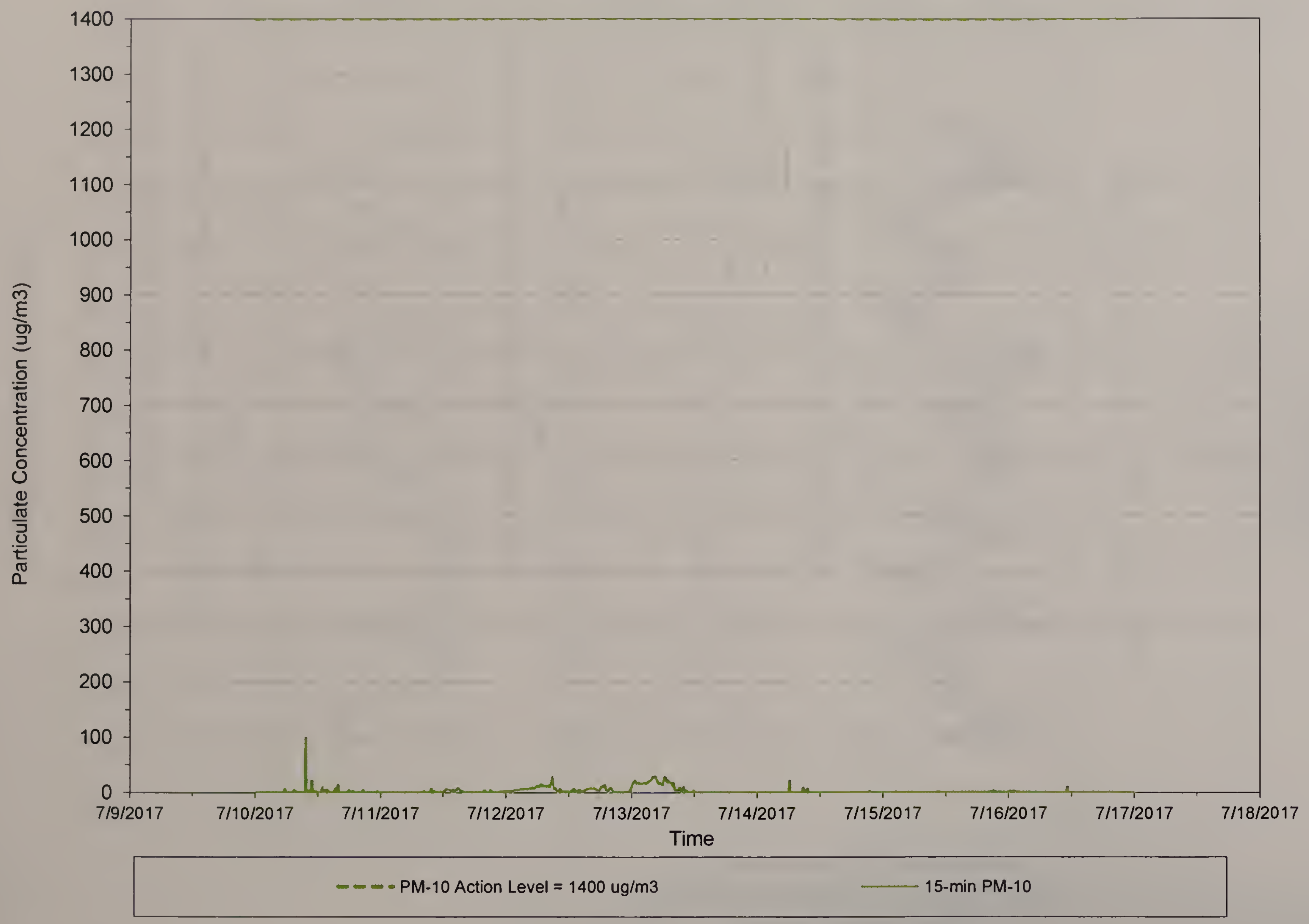
AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\July 2017\STA1_WEEKLYJul17.xls

Jul17,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 2.29

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
7/10/2017	98.63
7/11/2017	7.66
7/12/2017	27.56
7/13/2017	28.81
7/14/2017	21.00
7/15/2017	3.38
7/16/2017	9.45

Wind Summary Statistics	
CALM	15%
UW	38%
UW/CW	0%
CW	4%
CW/DW	4%
DW	39%
DW/CW	1%
CW/UW	0%
	%

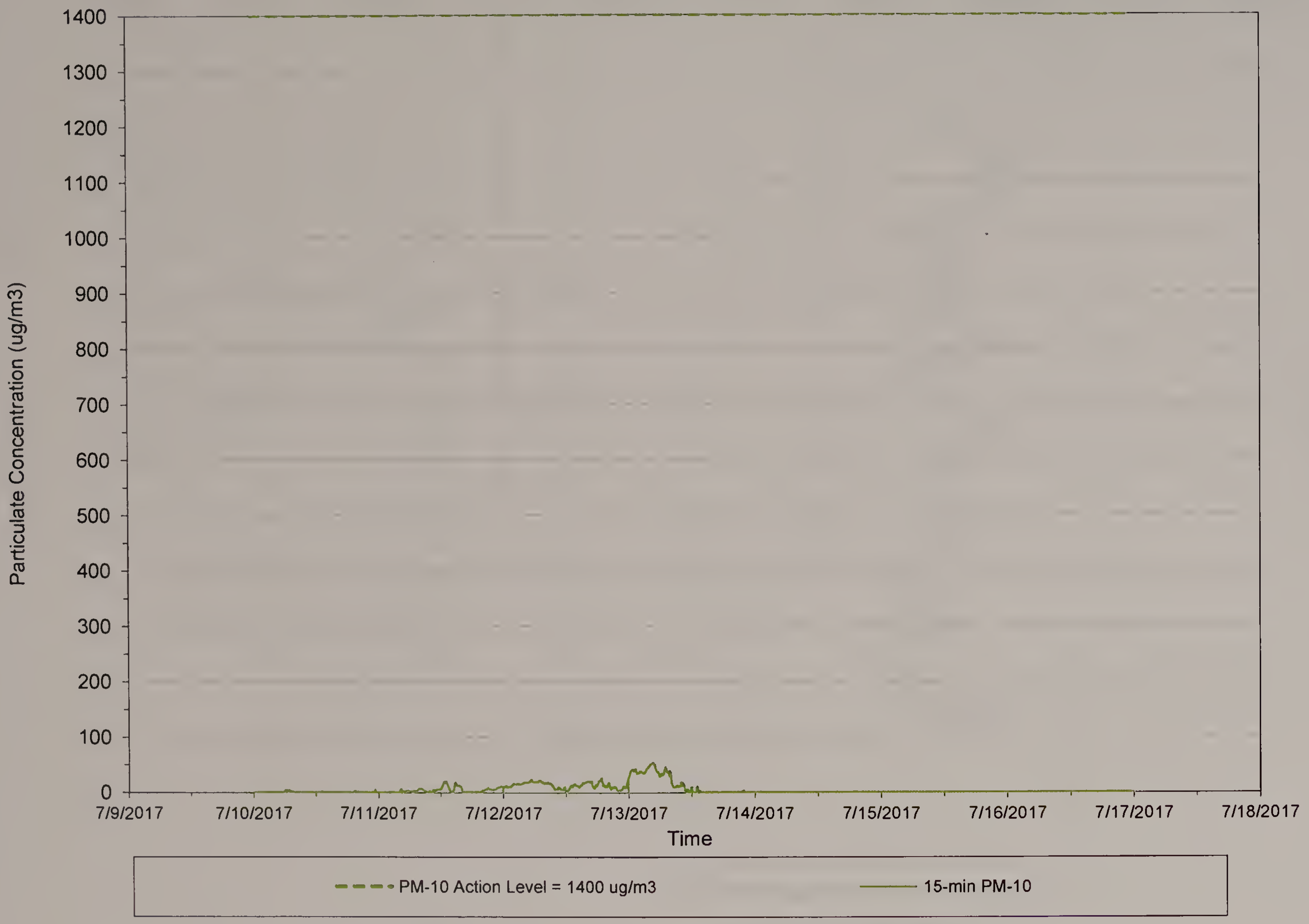
AirLogics, LLC
Perimeter Air Monitoring Systems
Proactive by Design

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\July 2017\STA2_WEEKLYJul17.xls

Jul17,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 4.60

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
7/10/2017	5.33
7/11/2017	19.40
7/12/2017	25.79
7/13/2017	53.03
7/14/2017	0.53
7/15/2017	0.00
7/16/2017	0.00

Wind Summary Statistics	
CALM	15%
UW	46%
UW/CW	0%
CW	0%
CW/DW	0%
DW	10%
DW/CW	0%
CW/UW	29%
	%

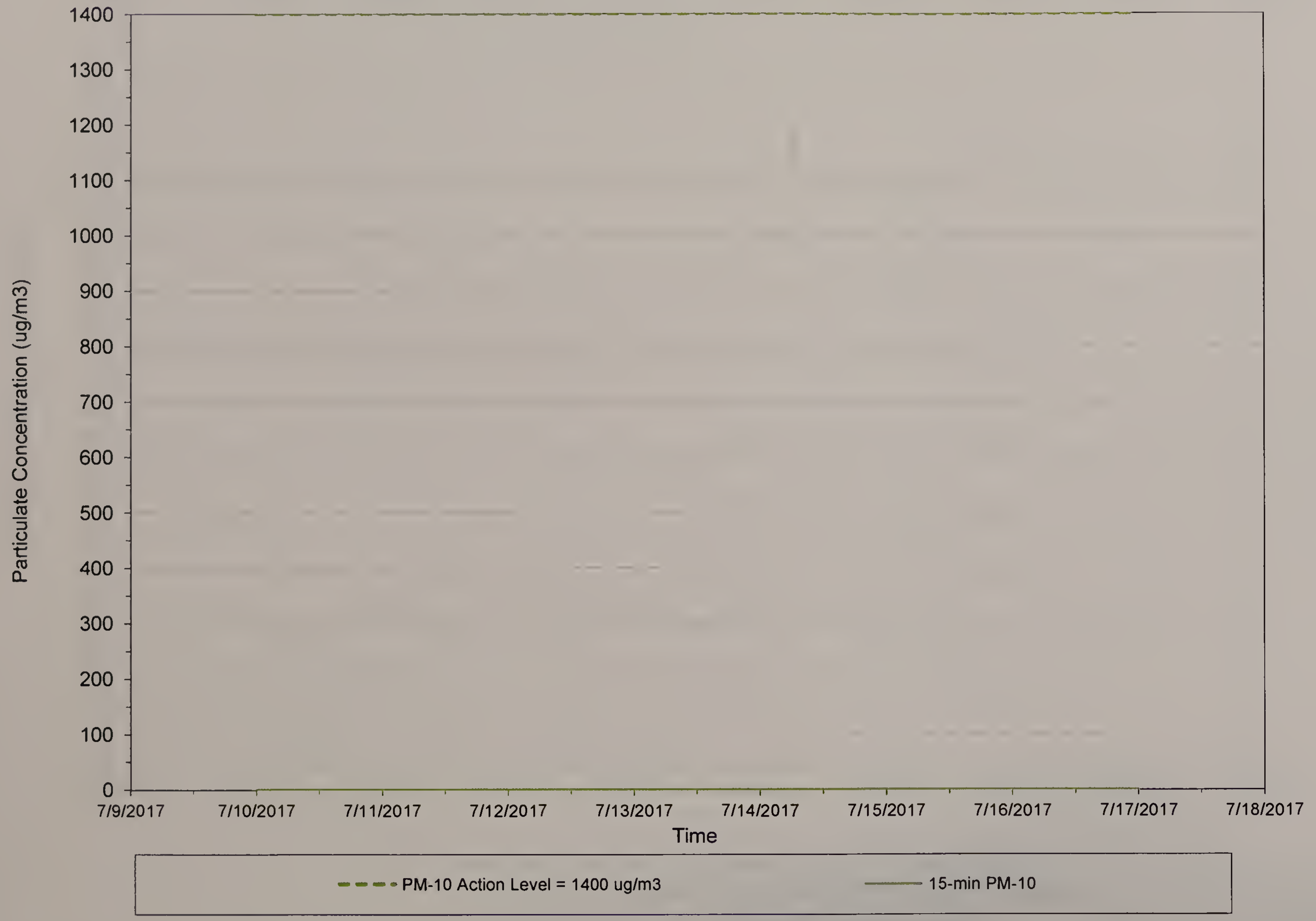
AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\July 2017\STA3_WEEKLYJul17.xls

Jul17,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.00

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
7/10/2017	0.00
7/11/2017	0.00
7/12/2017	0.00
7/13/2017	0.00
7/14/2017	0.00
7/15/2017	0.00
7/16/2017	0.00

Wind Summary Statistics	
CALM	15%
UW	0%
UW/CW	0%
CW	10%
CW/DW	2%
DW	35%
DW/CW	0%
CW/UW	38%
	%

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\July 2017\STA4_WEEKLYJul17.xls

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

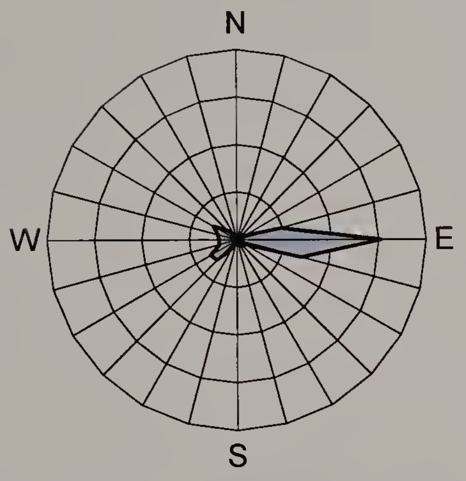


Figure 1. Wind rose for the period 7/10/2017 through 7/16/2017

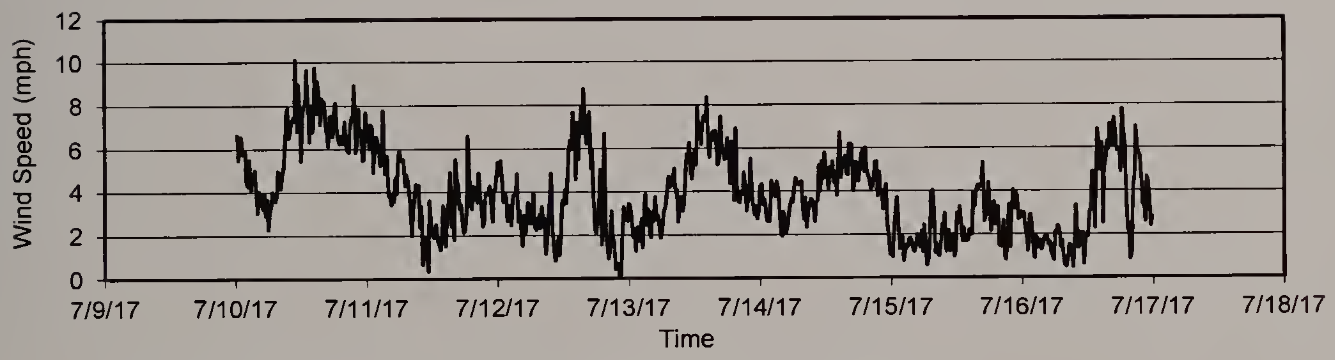


Figure 2. Wind speed for the period 7/10/2017 through 7/16/2017

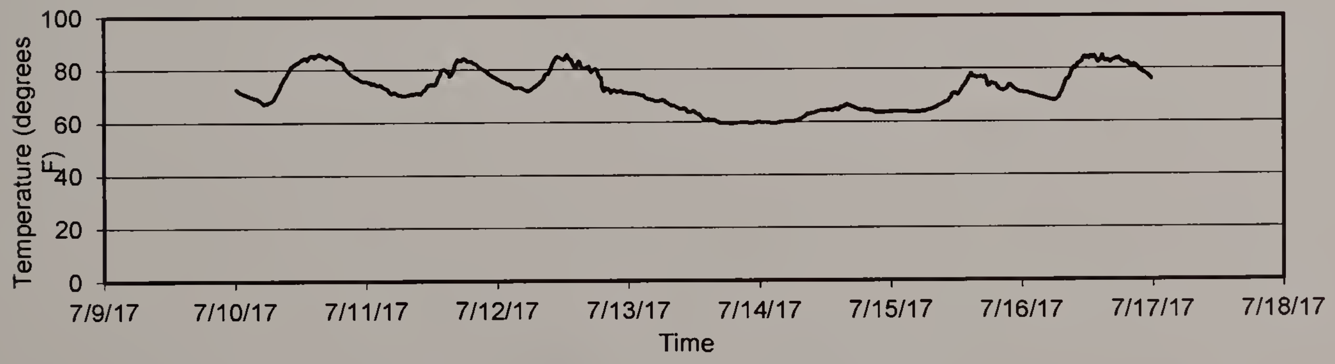


Figure 3. Temperature for the period 7/10/2017 through 7/16/2017

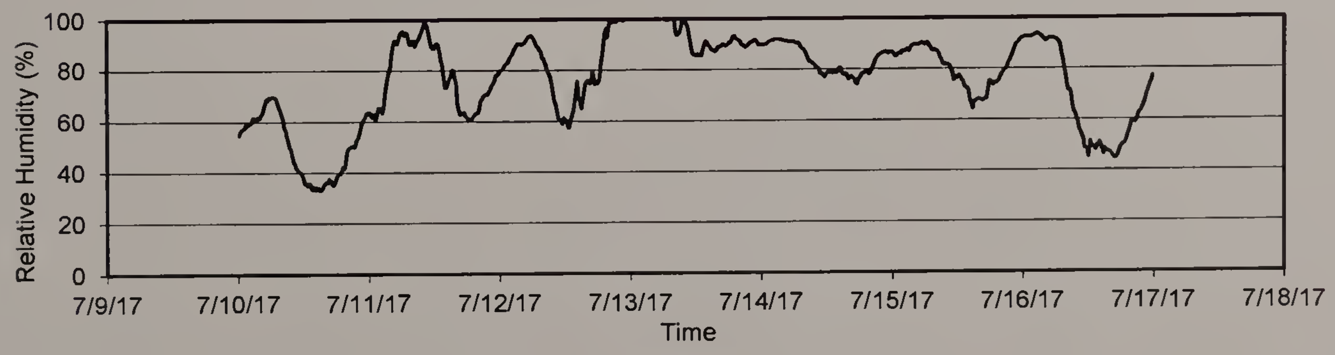


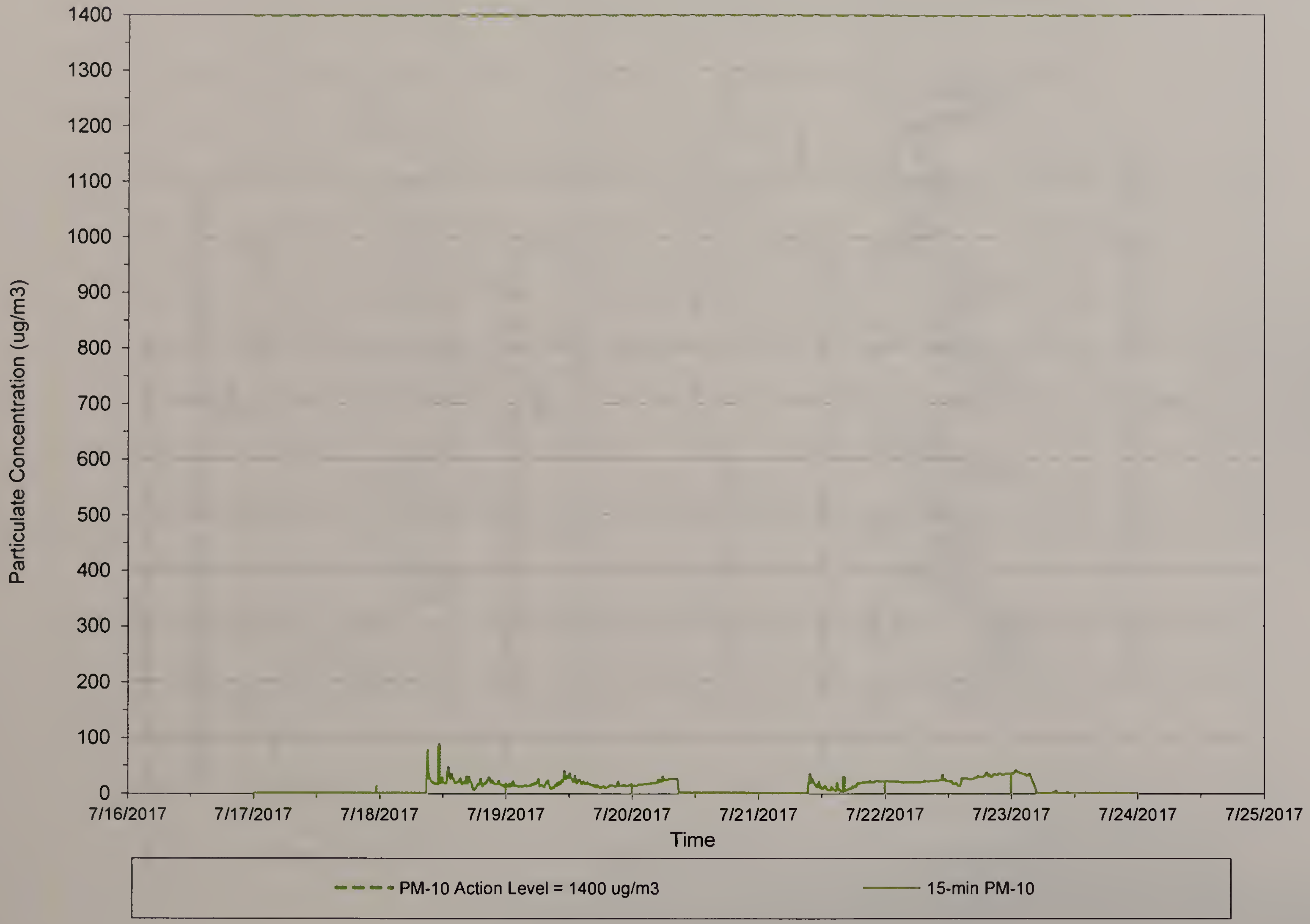
Figure 4. Relative humidity for the period 7/10/2017 through 7/16/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Jul24,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 10.92

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
7/17/2017	12.76
7/18/2017	88.09
7/19/2017	39.35
7/20/2017	29.66
7/21/2017	34.17
7/22/2017	36.68
7/23/2017	40.78

Wind Summary Statistics	
CALM	23%
UW	3%
UW/CW	0%
CW	0%
CW/DW	1%
DW	52%
DW/CW	1%
CW/UW	20%
	%

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

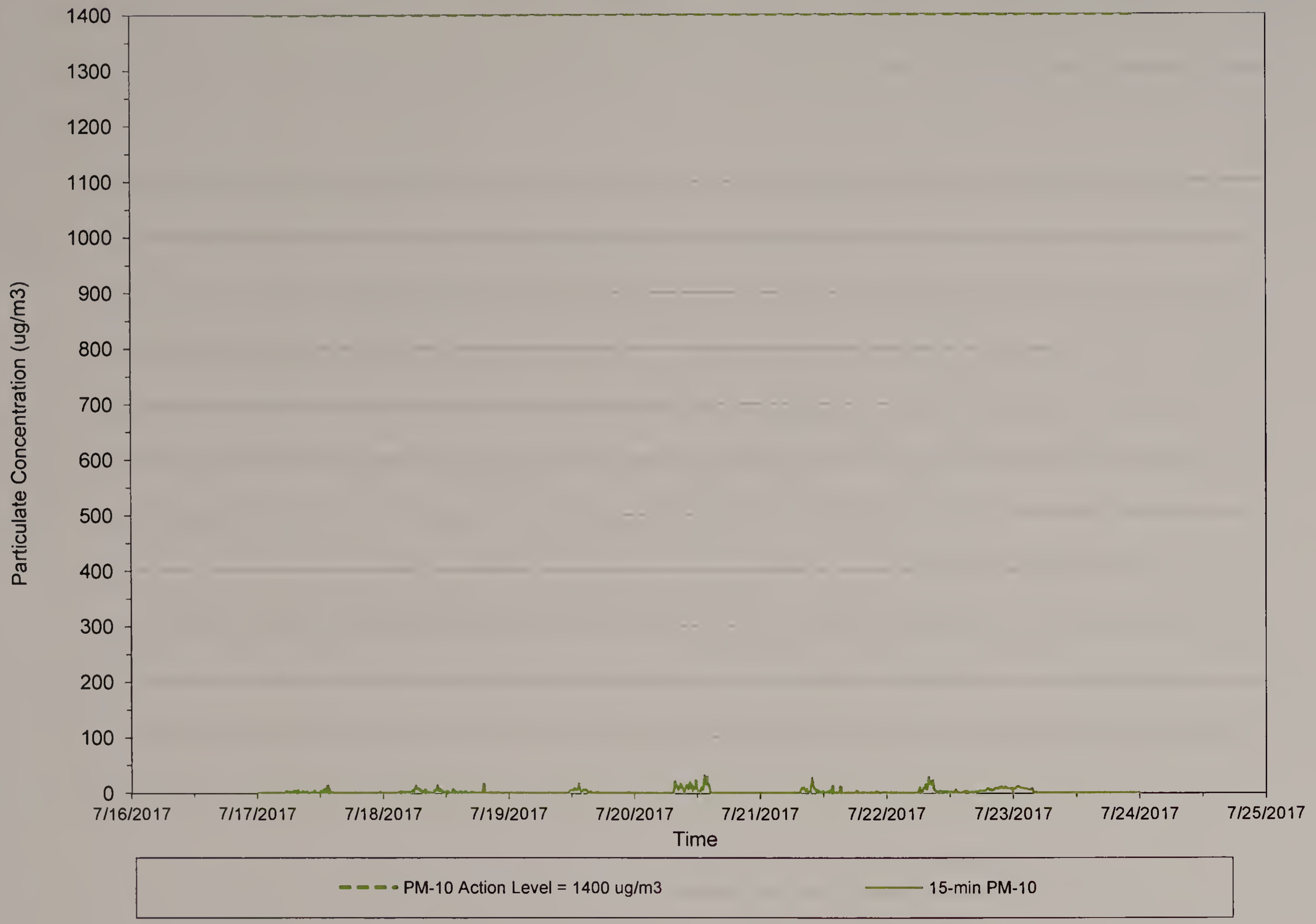
Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\July 2017\STA1_WEEKLYJul17.xls

Jul24,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2

15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 2.03

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
7/17/2017	12.96
7/18/2017	16.72
7/19/2017	16.64
7/20/2017	31.92
7/21/2017	26.92
7/22/2017	28.34
7/23/2017	11.65

Wind Summary Statistics	
CALM	23%
UW	50%
UW/CW	0%
CW	2%
CW/DW	1%
DW	23%
DW/CW	0%
CW/UW	0%
	%

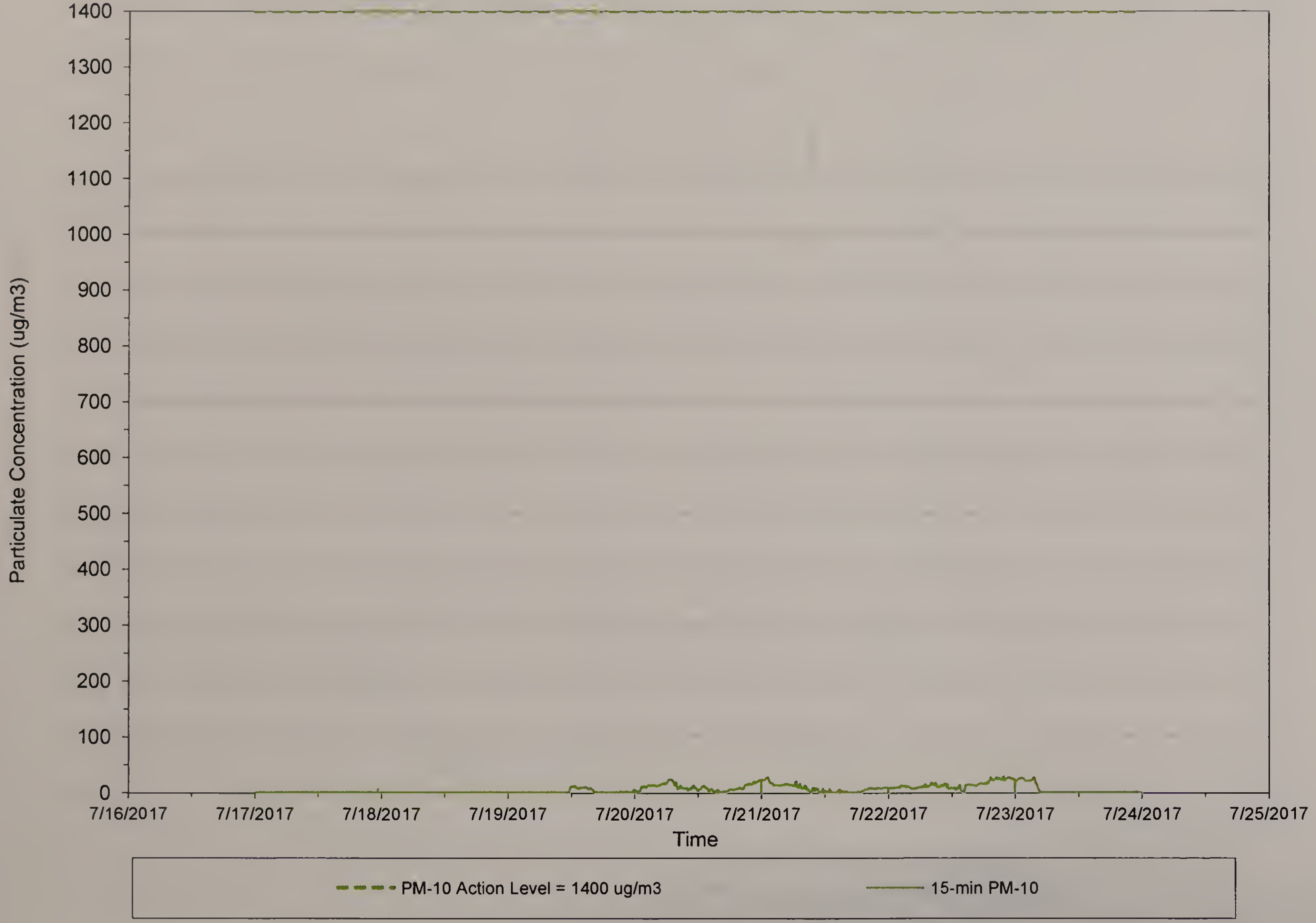
Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\July 2017\STA2_WEEKLYJul17.xls

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Jul24,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 5.22

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
7/17/2017	6.10
7/18/2017	0.00
7/19/2017	11.52
7/20/2017	23.43
7/21/2017	26.97
7/22/2017	28.37
7/23/2017	27.12

Wind Summary Statistics	
CALM	23%
UW	45%
UW/CW	0%
CW	0%
CW/DW	0%
DW	14%
DW/CW	0%
CW/UW	19%
	%

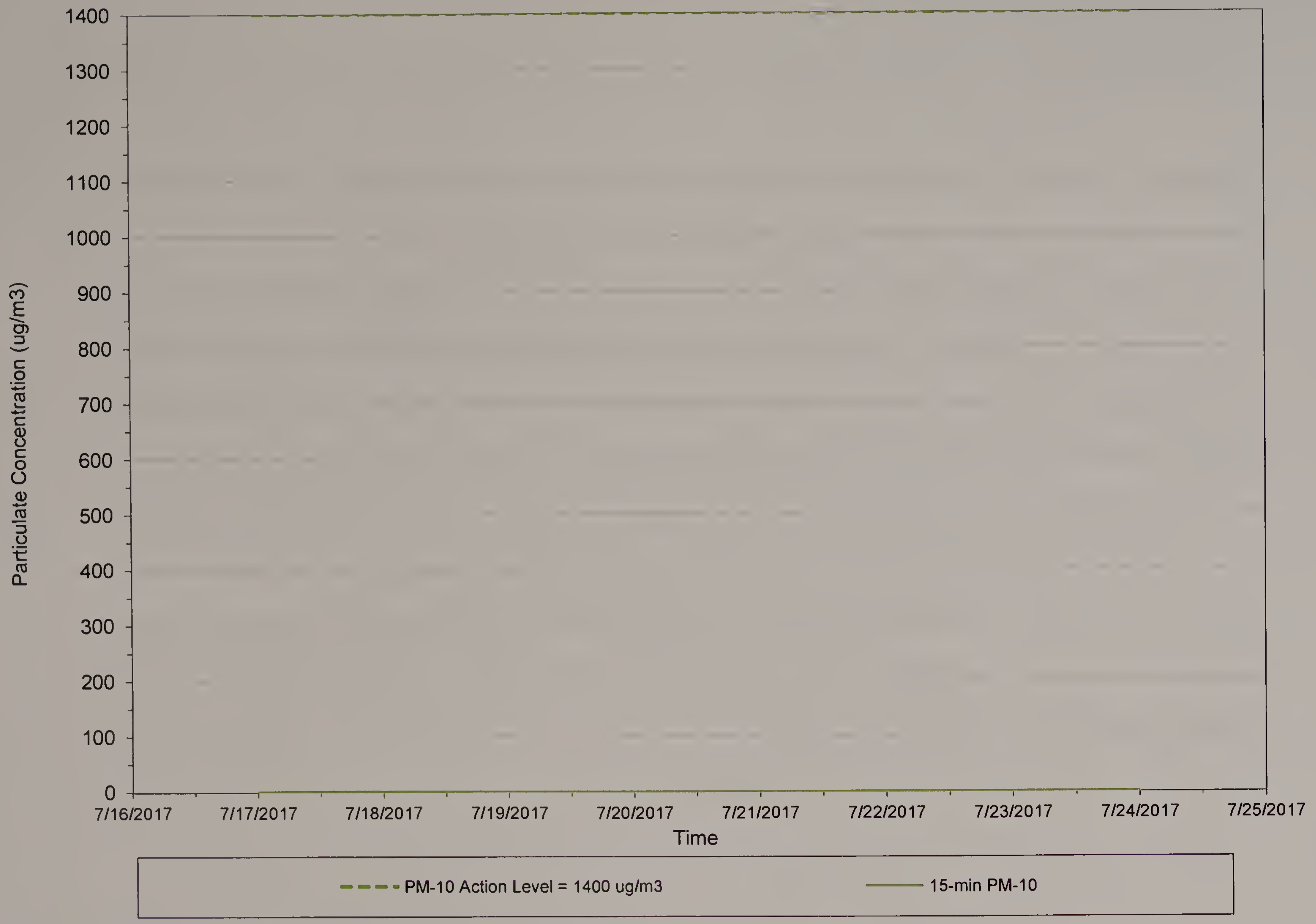
AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\July 2017\STA3_WEEKLYJul17.xls

Jul24,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.00

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
7/17/2017	0.00
7/18/2017	0.00
7/19/2017	0.00
7/20/2017	0.00
7/21/2017	0.00
7/22/2017	0.00
7/23/2017	0.00

Wind Summary Statistics	
CALM	23%
UW	0%
UW/CW	0%
CW	10%
CW/DW	2%
DW	42%
DW/CW	3%
CW/UW	20%
	%

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\July 2017\STA4_WEEKLYJul17.xls

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

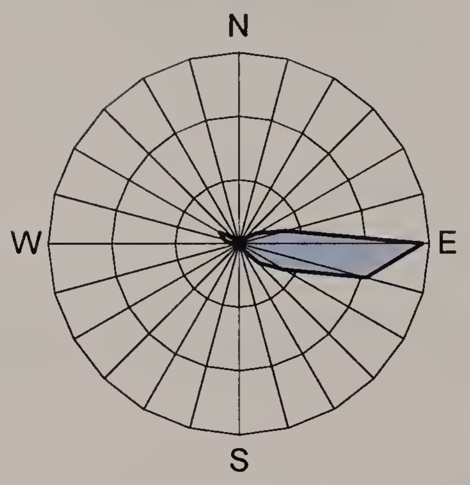


Figure 1. Wind rose for the period 7/17/2017 through 7/23/2017

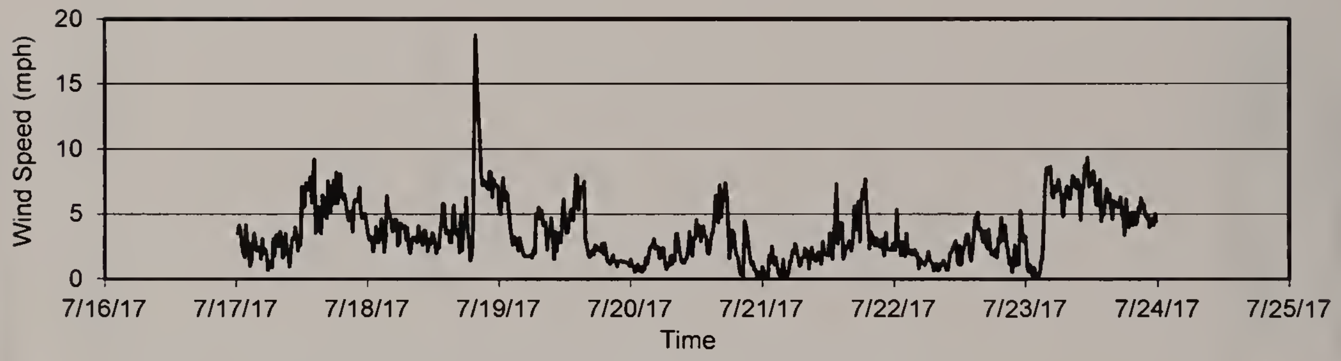


Figure 2. Wind speed for the period 7/17/2017 through 7/23/2017

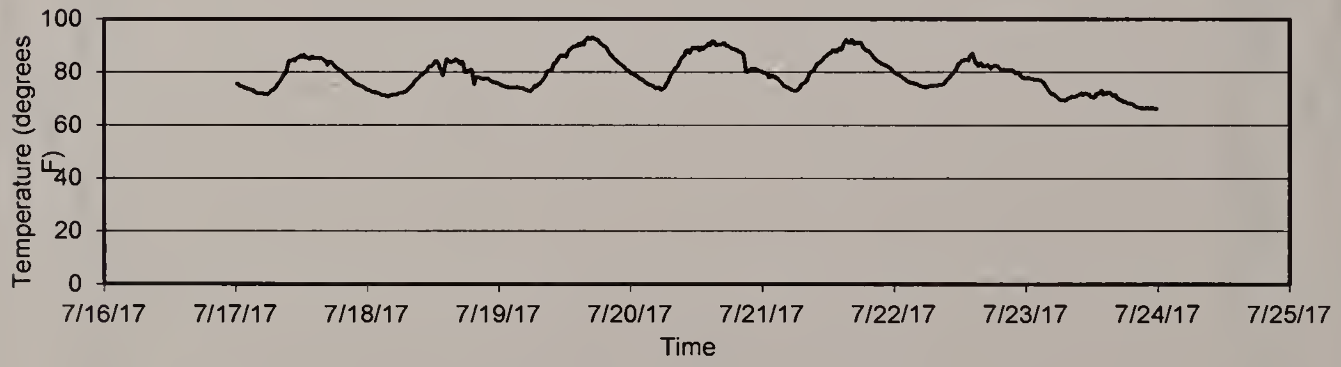


Figure 3. Temperature for the period 7/17/2017 through 7/23/2017

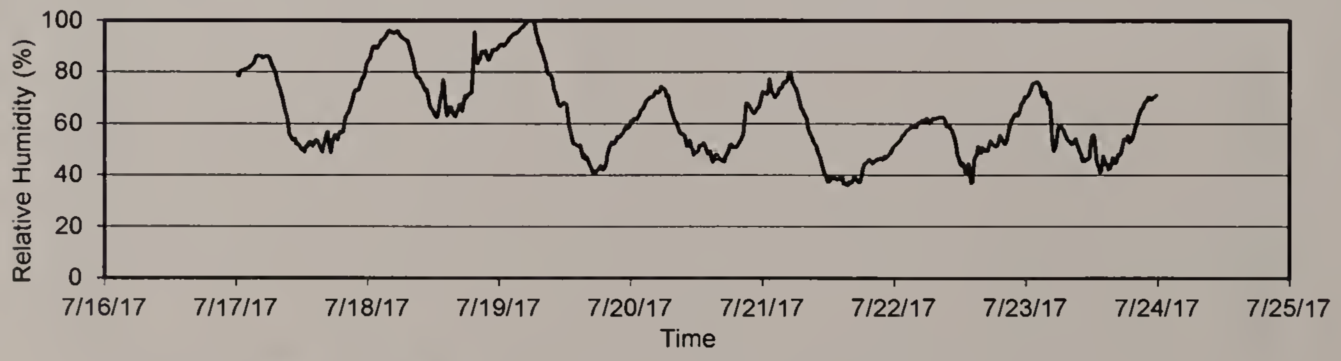
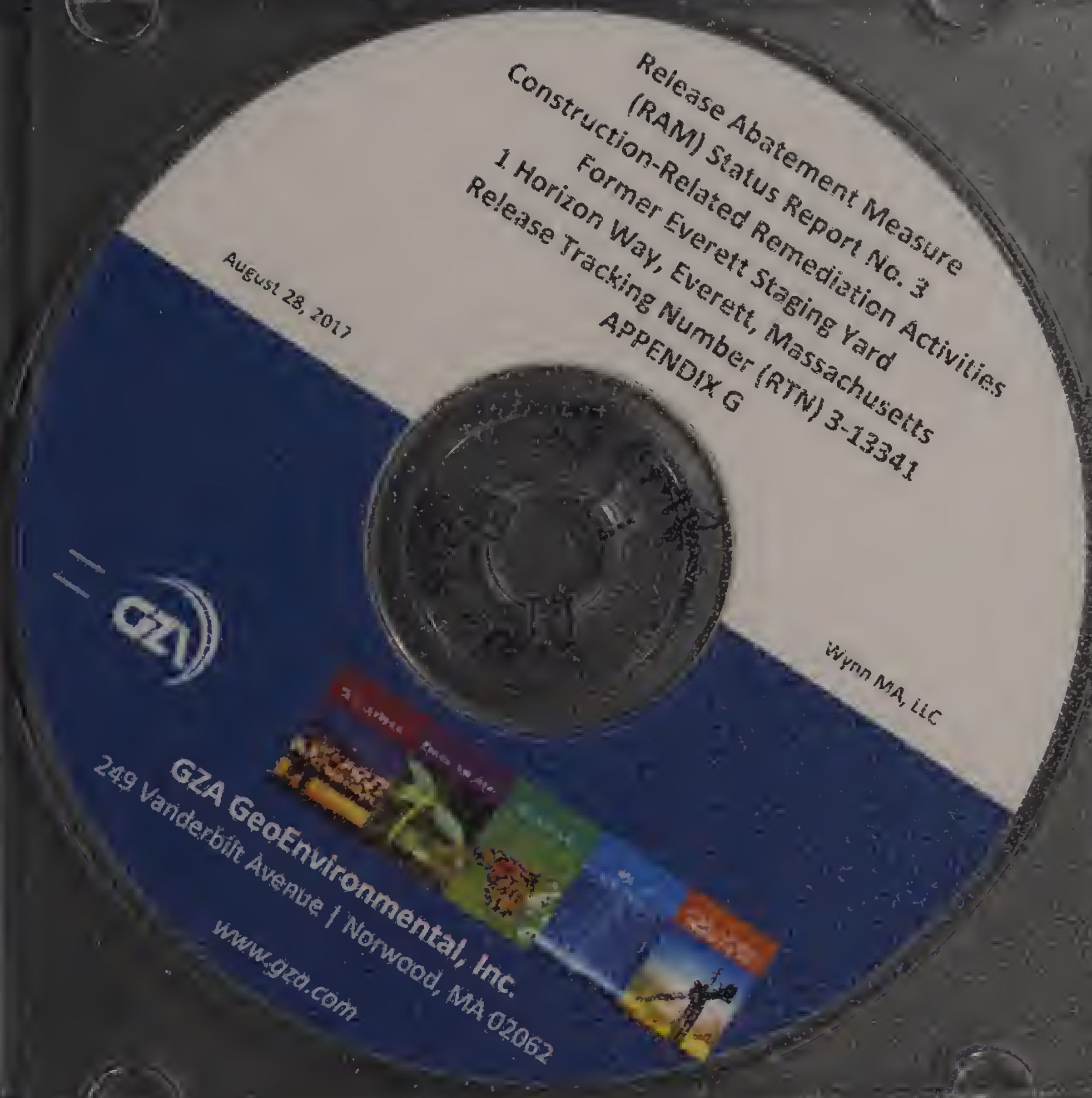


Figure 4. Relative humidity for the period 7/17/2017 through 7/23/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Appendix G - Asbestos Laboratory Reports

(Submitted Separately using BWSC126 Transaction #951014)



Release Abatement Measure
(RAM) Status Report No. 3
Construction-Related Remediation Activities
Former Everett Staging Yard
1 Horizon Way, Everett, Massachusetts
Release Tracking Number (RTN) 3-13341
APPENDIX G

August 28, 2017

Wynn MA, LLC

GZA GeoEnvironmental, Inc.
249 Vanderbilt Avenue | Norwood, MA 02062
www.gza.com

Fellowes